

The Cotton Gin and Oil Mill

# PRESS

A PROGRESSIVE AND RESPONSIBLE PUBLICATION

OCTOBER 5, 1957



THE MAGAZINE OF THE COTTON GINNING  
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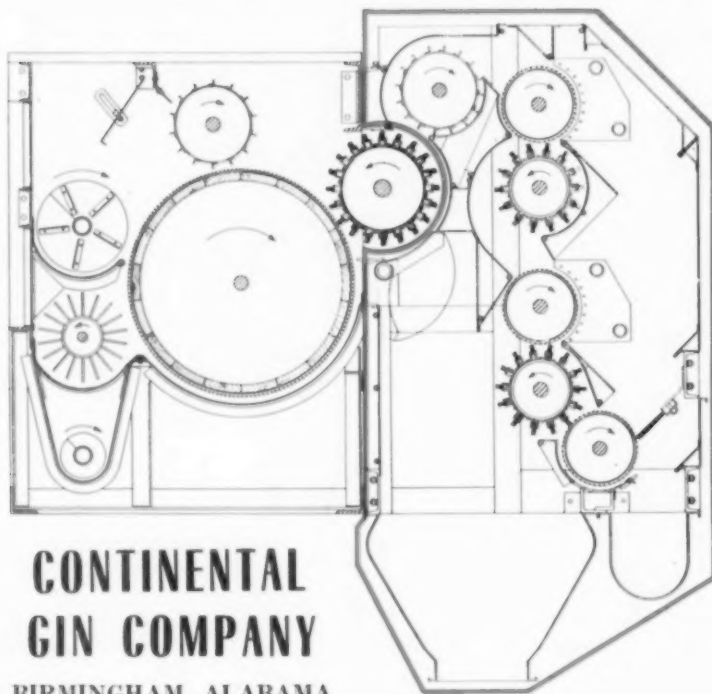
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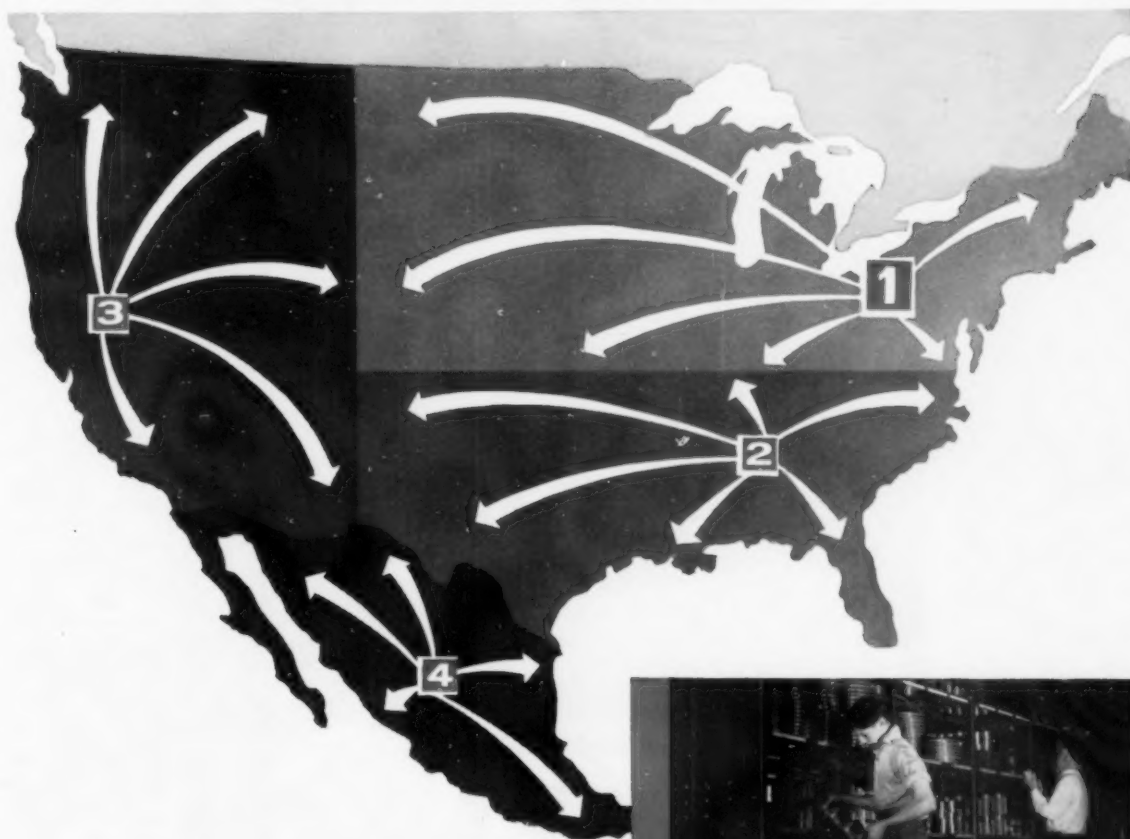
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#### ON OUR COVER:

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Photo by Frank J. Miller

VOL. 58

OCT. 5, 1957

No. 20

#### *The Cotton Gin and Oil Mill Press...*

READ BY COTTON GINNERS, COTTONSEED CRUSHERS AND OTHER OILSEED PROCESSORS FROM CALIFORNIA TO THE CAROLINAS

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National Cotton Ginnings' Association  
Alabama Cotton Ginnings' Association  
Arizona Ginnings' Association  
Arkansas-Missouri Ginnings' Association  
California Cotton Ginnings' Association  
The Carolinas Ginnings' Association  
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Tennessee Cotton Ginnings' Association  
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### THE COTTON GIN AND OIL MILL PRESS

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# PINK BOLLWORM RESEARCH

## PROGRESS REPORT,

1957

By

L. W. NOBLE

Entomologist, USDA

Pink Bollworm Research Center  
Brownsville, Texas

**PINK BOLLWORM RESEARCH** during 1957 has resulted in some new developments, including promising results with a new insecticide, as well as the obtaining of data needed to complete or confirm previous findings.

**SEVIN IS PROMISING MATERIAL** — The new insecticide which was tested in the field for the first time this year gave outstanding pink bollworm control and was also effective against the boll weevil.

This chemical, previously tested in the Brownsville, Texas, laboratory and known by the code number 7744, is now known by the name Sevin. It is manufactured by the Union Carbide Chemicals Co.

The company will produce enough for large-scale experimental use in 1958. Further experiments, partially financed by the company, will be conducted in Mexico before the 1958 season in this country.

There are only two other insecticides now recommended for pink bollworm control—DDT, which has been used for many years, and Guthion which is still new. DDT continues to be the most satisfactory from the standpoint of cost.

The life history and habits of the pink bollworm under Brownsville conditions have been rather thoroughly explored, including some investigations conducted in bioclimatic cabinets. Further work in the cabinets will be done to obtain basic information on the long-cycle, or diapause larvae.

**NECTAR-LESS COTTON** — Tests in the laboratory and in field cages indicate that cotton nectar is an important food for the adult pink bollworm. A nectarless variety greatly limited the population build-up, presumably due to lack of food for the moths. This information is a promising lead for future work.

**PARASITES AND DISEASES** — In the project on parasites and diseases of the pink bollworm, greater emphasis is to be placed on studies of the pathogenic organisms. Several bacteria and fungi have found to infect larvae in the laboratory, and a nematode showed some promise in laboratory and limited field tests.

Attempts to establish imported parasites in this country were discontinued after proving unsuccessful. Five species imported from India were propagated for release in large numbers. Collections of many field samples failed to recover any of the parasites. On the basis of these negative results, it is concluded that none of the species became established.

**LIGHT TRAPS DISAPPOINTING** — Another project which has failed to fulfill

some expectations is the work with light traps. A number of experiments have been conducted with light traps used for pink bollworm control. One of these utilized 142 light traps operated by growers on five adjacent farms comprising approximately 3,000 acres at Batesville, Texas. The crops consisted of cotton, corn, and vegetables.

These experiments showed that light traps were of no benefit in control of the pink bollworm, corn earworm (bollworm), and cabbage looper. The lights presently available show some promise for use in determining insect abundance. They may be used in detecting incipient infestations and as a research tool for such investigations as flight studies.

The work with light traps as a means of insect control has been discontinued. Some assistance will be given to the Farm Electrification Section, Agricultural Engineering Research Division, in further work to develop a light that is more attractive to insects.

**CULTURAL CONTROL** — It has been known for many years that fall and winter cultural practices have a great effect on mortality of hibernating larvae, and that this effect may vary in different localities, owing to climatic conditions. The 1957 season completed a five-year period of hibernation experiments simulating four different cultural practices at eight localities in Texas and Oklahoma which represented a wide range of climatic conditions. Work will be continued, but with other cultural treatments at some of these localities and at other new localities, or at least one on the Oklahoma-Arkansas line.

**hibernation STUDIES** — A different type hibernation experiment is still in progress at five localities of eastern Texas, on the periphery of the infested area. Infested bolls are exposed at these places during the winter and then moved to Brownsville for moth emergence to determine the mortality. This type of experiment shows promise for obtaining information on the winter mortality in areas where personnel would not be available for obtaining the moth emergence records at the test locations.

From results of hibernation experiments conducted in bioclimatic cabinets simulating weather conditions at widely separated localities of the uninfested areas, it now appears that the pink bollworm can survive the average winter at all locations throughout the Cotton Belt if given favorable hibernating conditions. This work in climates outside

of the infested area will be discontinued after the current season.

**NEW STALK SHREDDER** — A new type of stalk shredder, first tested in the Lower Rio Grande Valley on the 1956 crop, was found to be more effective in killing pink bollworms than any of the commercial machines previously tested. The Texas Experiment Station has leadership of investigations to evaluate new types of stalk shredders and the combined effects of shredding and other known practices for killing the overwintering larvae.

A manuscript is being prepared for a bulletin reporting the recently completed investigations of winter mortality in relation to various cultural practices and climatic conditions. This bulletin will also review similar work that has been in progress ever since research on the insect was started in this country in 1927. The information to be given in it is already known by officials concerned with the pink bollworm problem and is being used in formulating control programs.

**GIN AND OIL MILL RESEARCH** — Another manuscript, entitled "Killing Pink Bollworms in Cotton Gin and Oil Mill Products," is now in the advanced stage of the rather slow process of review by all concerned with its publication, editing, etc., before final printing. This work was done in cooperation with the Agricultural Engineering Research Division and Plant Pest Control Division. At the Southwestern Cotton Ginning Research Laboratory, Mesilla Park, N.M., tests were made with ginning set-ups ranging from the most simple gin to the modern elaborate ginning system. Also a wide range of ginning equipment was tested at commercial gins. Tests were made to determine the kill by fans commonly used at gins for handling trash as it occurs in the ginning operation and at oil mills for moving motes and linters to the press. Commonly used planting seed treatments were also evaluated as to their pink bollworm kill.

Owing to the high kill found in the normal ginning operation plus further mortality after ginning, either in the oil mill processing or planting seed treatments, it was concluded that the survival in cottonseed is of little, if any, importance when the seed is used with-



in the generally infested area. The content of this manuscript, like the one mentioned previously, is familiar to the agencies dealing with pink bollworm control. It has already brought about changes in quarantine requirements which were reported earlier in The Press resulting in current annual savings amounting to well over \$3 million for cotton farmers, ginner and oil mills.

### Grain Inspectors To Meet

The National Association of Chief Grain Inspectors will hold a joint meeting with personnel of the grain division, Agricultural Marketing Service, USDA, April 30 to May 3 in Memphis.

### Cotton Promotion Planned At N. M. State Fair

New Mexico Cotton Ginners' Association will join with the New Mexico Extension Service, the New Mexico Farm and Livestock Bureau and the National Cotton Council, in the cotton promotion effort at the New Mexico State Fair being held in Albuquerque.

Brian Boyett of the Council, Jim O'Neal and Cecil Harrel of the Extension Service, and Claude Leyendecker representing the Farm Bureau will all be present at the Fair to assist with the cotton booth and to work with the New Mexico "Maid of Cotton", Miss Laura Anderson of Roswell.

### • Future Cotton Acres May Be Reduced

"THIRTY TO 50 MILLION of the 300 million acres now in grain crops, cotton and tobacco, would have to be shifted into grass, fallow or trees to make the Soil Bank program effective," J. Carroll Bottum, Purdue University agricultural economist, stated Sept. 18 in an address to the annual convention of the Farm Equipment Institute in the Palmer House at Chicago.

Bottum pointed out that less than half of the acreage put into the Soil Bank, or 12,500,000 acres, were actually affected during the past year. There are 400 million acres of plowland in this country. Of this total 300 million acres are in cotton, tobacco, and grain crops. The remaining 150 million acres are in hay, pastures and fallow. The July 1, 1957, crop production reports show that five basic crops were reduced only 16 million acres below 1955, while the acreage of other cultivated and grain crops was up 4,500,000 acres, or a reduction of only 12,500,000 out of the 27 million acres put into the Soil Bank.

Bottum speculated that a Soil Bank program could be temporarily effective in raising farm income if it met suggested requirements, but added that any such program over the long run "is somewhat self-defeating."

### Supplies of Fats Will Slow Little Change

Food fat supplies in the marketing year which began Oct. 1 will be about the same as last season, USDA says. More soybean oil and lard, less cottonseed oil, is the forecast, but the season began with stocks smaller than a year ago.

Stocks will permit exports approaching the record 2,800,000,000 pounds shipped abroad during the season just ended and USDA expects relatively heavy fats and oils exports this season.

### Bowld Heads Grand Jury

W. F. Bowld, Memphis, retired vice-president and general manager of Buckeye, has been appointed chairman of the Shelby County grand jury. Bowld, who still serves Buckeye Cellulose Corp. in an advisory capacity, succeeds J. Thomas Wellford, who served 29 years as foreman of the grand jury.

### New Bulletin

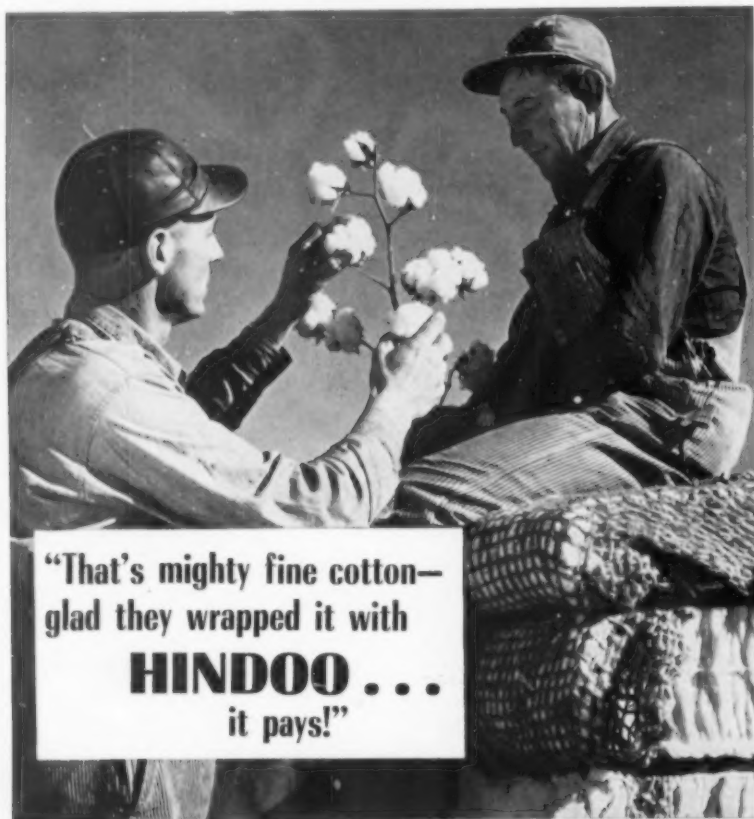
#### "DISEASES OF COTTON"

Cotton diseases have cost Arizona cotton growers one bale out of every eight!

This is a sad fact, and it is also the first sentence in a newly-revised circular published by Arizona Extension Service.

The author, Ivan J. Shields, Extension plant pathologist, in circular No. 223, "Diseases of Cotton," points out the necessary controls for major cotton diseases in Arizona. These include damping-off, verticillium wilt, root knot, bacterial blight, root rot, Southwestern rust, boll rots, and crazy top.

The fully-illustrated publication also covers the effect of 2,4-D on cotton and offers a practical rotation plan for disease control.



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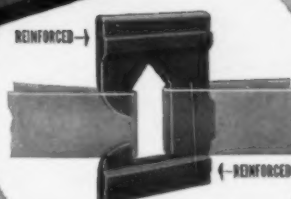
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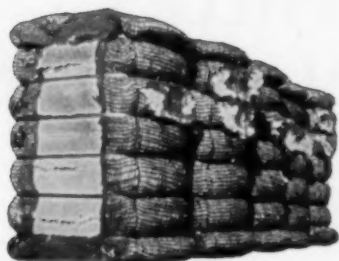
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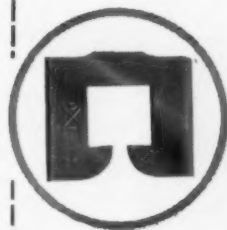
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## Dr. W. H. Garman Named Regional Director

Dr. W. H. Garman has been appointed regional director for the National Plant Food Institute in the Northeastern States, according to announcement by Dr. Russell Coleman, executive vice-president of the Institute. He will be located at the Institute's headquarters.

He is the first of four regional directors to be appointed under the Institute's program to expand its research and educational activities. In addition to the four regional directors, other field personnel will be added to the Institute's staff to work under the regional directors in servicing particular states and areas.

Specifically, Dr. Garman's duties will involve liaison between the fertilizer industry and the land-grant colleges, public agencies, bankers, farm organizations, agricultural press, radio farm directors and others who work directly with farmers and are concerned with research and educational work related to agriculture.

As chief agronomic consultant to the Institute, he will continue to handle liaison with national professional societies such as the American Society of Agronomy and the Soil Science Society of America, and will continue to work with the National Joint Committee on Fertilizer Application.

## Campbell Jones Dies

J. Campbell Jones, who formerly was associated with oil mills in the Southwest and South, died Sept. 10.

## Mellorine Output Shows Increase

USDA estimates August production of mellorine and other frozen desserts made with fats and oils, other than milk-fat, at 3,780,000 gallons. This was two percent larger than the August output last year, but four percent below that of August 1955. In the first eight months of 1957, mellorine production was three percent smaller than the total for the same month in 1956 and one percent below the January-August period of 1955.

Compared with August a year ago, losses in Texas and Illinois were more than offset by gains in the other mellorine-producing states. Sharp increases were indicated for Missouri, Alabama, Arkansas, Montana and California. Production gains were moderate in Oregon and Oklahoma. Output was down sharply in Texas, and a moderate decrease occurred in Illinois.

Mellorine production declined three percent from July to August this year, compared with a loss of one percent at this time last year and an increase of five percent between these months in 1955. Output changes between July and August in the mellorine-producing states were mixed, but the decreases more than offset the gains. The declines were sharp in Texas, Illinois and Arkansas. Montana had a moderate seasonal decrease. Sharp advances were indicated for Alabama and California, but moderate gains occurred in Missouri and Oklahoma. Output held about steady in Oregon.

## Two Research Groups Schedule Meetings

Two research groups associated with the National Cottonseed Products Association's program to improve cottonseed products and widen their markets have set dates for future meetings.

Nutritional research leaders who are working with cottonseed meal for swine will meet in Chicago on Nov. 30, at the time of the annual meeting of the American Society for Animal Production, Garlon A. Harper, Dallas, director, NCPA Research and Educational Division, reports.

Members of the NCPA research committee will meet Dec. 16-17 at Texas A&M College, College Station. H. L. Wilcke, St. Louis, is chairman; with the following committee members: H. S. Baker, Fresno; James Hicky, Forrest City, Ark.; J. M. Johnson, Houston; H. E. Robinson, Chicago; Robert Stokes, Cincinnati; and P. A. Williams, New Orleans.

## Kidd and George Elected

Crusher delegates to the National Cotton Council elected recently included J. V. Kidd from Alabama and J. P. George from Georgia.

## Peanut Contracts Awarded

Cinderella Foods Division of Stevens Industries, Dawson, Ga., and Blue Plate Foods, New Orleans, have received USDA contracts for processing five million pounds of peanut butter.



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## • Port of Stockton Is Expanding Facility

COTTON SHIPPED to the Port of Stockton—and there have been 1,116,000 bales in the last 10 years—is being received, stored, compressed and shipped out again by one of the best designed and most modern of any compress and storage facilities in the West, according to Port Compress Manager E. E. "Sarge" Jennings.

Armed with a comparatively new 80-inch press, equipped with a rolling bale attachment, for compressing, and boasting more than 300,000 square feet of sprinklered storage space for holding more than 30,000 bales of flat cotton, Port of Stockton's cotton compress and warehouse facility is offering California cotton shippers faster, easier and more economical storing and loading service. Storage buildings have one of the lowest insurance premium rates for maximum safety.

A new Port of Stockton tariff provision which spells savings to cotton shippers is pointed out by Port Director Elmo E. Ferrari. "Rates for compression named in our cotton compress tariff effective Aug. 15, 1957, include the direct movement of cotton from Port of Stockton compress to Port of Stockton docks for steamer movement beyond Stockton," he states.

Jennings, known to the cotton trade as "Sarge" for 32 years, has been with the Port of Stockton facility since its birth in 1934, when Haslett Warehouse Co. leased the land and equipment from the Port District. The facility became Port of Stockton's own operation last year.

"Sarge", a native Texan, estimates that the Port's compressing equipment represents a \$100,000 investment.

Additional cotton-storage capacity in adjacent sprinklered warehouses, also carrying low premium insurance, is available for immediate use.

## Irrigation Specialists

### On Program at Lubbock

National irrigation specialists will participate Nov. 14-15 in a conference at Lubbock, sponsored by the new Texas Inter-Industry Irrigation Council. Lubbock Hotel is headquarters.

Farmers, agricultural workers and irrigation equipment industry representatives will attend.

## Lower Supports Sought

Supima cotton growers are asking USDA for another drop in the price support for the quality, long staple fiber. Cecil Collette, Casa Grande, and J. Clyde Wilson, Buckeye, Ariz., were in Washington recently seeking to lower the minimum support level from 75 to 60 percent of parity.

## Gandy at Soybean Meetings

Dalton E. Gandy, field representative, National Cottonseed Products Association, participated recently in soybean meetings held in three Louisiana parishes.

## Firm To Make New Bags

A & B Bag Co., Dallas, announces that the firm will manufacture new burlap and cotton bags. A. M. Wiesner and W. D. Capehart are owners of the concern, which is located at 2300 Good-Latimer Expressway.



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## from our Washington Bureau

by FRED BAILEY

WASHINGTON REPRESENTATIVE

The COTTON GIN and OIL MILL PRESS

• **Commodity Conference**—Third meeting of the National Conference of Commodity Organization in less than four months has run into strong headwinds in the form of difficulty in getting together on specific solutions to specific problems.

But contrary to predictions of sidelines—Farm Bureau and USDA—idea of a commodity by commodity approach to farm problems hasn't run aground. Nor has enthusiasm of member groups been dampened. Guidelines for new farm legislation and a number of preliminary recommendations were drawn up at the Sept. 25-26 session. And another meeting was set for Dec. 11.

Fact that problems came up was no surprise to commodity group insiders. This had been fully expected once work had begun on reaching compromises between conflicting interests. All were well briefed that success of NCCO hinges on willingness of everyone to give and take. So, real significance of the meeting is that all are still willing to get together after the initial skirmish, not that there were problems.

Committees were named and given a

Dec. 11 target date for making specific recommendations to be incorporated in an omnibus farm bill. In addition to committees to study commodity problems and solutions, special groups were appointed to look into development of effective programs for import controls, a meaningful parity yardstick, and means of improving agricultural public relations.

Named to head the committee responsible for cotton, wheat, feed grains, rice, and soybeans was Herbert Hughes, National Association of Wheat Growers.

Four preliminary recommendations—details of which are yet to be worked out—were agreed on at the third meeting. They are:

First, no changes be made in farm laws unless it's first determined that changes will result in increasing—or at least maintaining—farmers' income. (Cotton leaders here interpret this as a slap at Benson's proposals that price support floor be lowered with no corresponding increase in acreage allotments.)

Second, a parity yardstick be developed as a means of increasing public understanding of farmer in-

come problems, and how farmers compare with other segments of the economy. This, not raising farm price supports, is the big idea behind a new parity formula.

Third, effective import controls at levels to protect U.S. producers. But with a provision that the President could ease restrictions when necessary in the interest of foreign relations . . . provided that any increase in imports be matched by comparable CCC purchases of the commodity involved.

Fourth, new programs should put emphasis on use of producer rather than government funds for the management of surpluses.

Improvements in the Soil Bank—now slated to die after 1958—were widely talked-up, but no proposals made.

• **Legislation Roadblocks**—School integration crisis at Little Rock looms as a major roadblock to enactment of new farm legislation early in the next session of Congress.

Few in Washington or in industry have recognized the tie-in. But, in fact, the integration stir will have as much—possibly more—effect on farm laws than any bills likely to be tossed into the hopper when Congress returns three months from now.

Two reasons why: First, both Houses of Congress will devote almost exclusive attention to states' rights and integration battling for an indefinite period. Farm legislation will be low down on the priority list . . . after integration, after international relations, and after problems of Federal monetary management.

Second, the split up farm bloc which

(Continued on Page 37)

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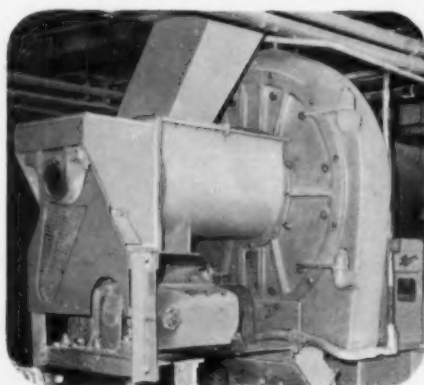
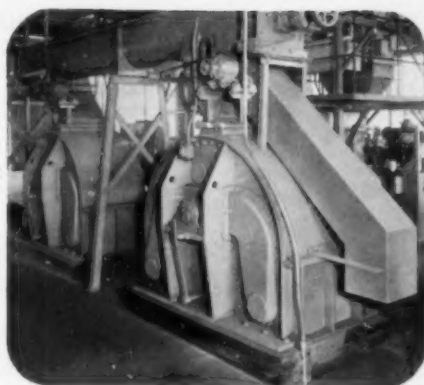
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**COTTON GIN CO.**

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Heavily built for high capacity continuous operation, Bauer hammer mills have long been industry's standard where impact grinders are used for size reduction. Rotors operate in either direction, reducing down time. Two large screens—2200 square inches—give greater capacity. Return air-ducts provide important dust control. Rock trap removes non-magnetic foreign material. Special alloys assure longer, more economical service life.

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# OLGA

is the

## CRUTCHER COWPOKE



OLGA AND JACK CRUTCHER are shown surrounded by their three children and some of their Polled Herefords.

**By DALTON E. GANDY**  
NCPA Field Service

**A** COWPOKE in the family helps Jack Crutcher, Memphis broker in cottonseed, soybean and peanut products, see to it that these Midsouth feeds are used at home.

The cowpoke is Olga—Mrs. Crutcher. While Jack communes to his Memphis office, 18 miles away, she keeps busy raising the children and Polled Herfords on Crutcher Ranch at Nesbitt, Miss.

• **The Country's for Kids** — Ranching hasn't always been Olga's occupation. She and Jack, as a matter of fact, lived many different places before they decided that the country's the place for children.

Olga was a city girl, active in social life. She grew up in New Orleans. During 1933, she was queen or maid in nine Carnival Balls. Soon after her debut, she and Jack were married.

The Crutchers lived in Memphis until 1942, when the war took Jack to Washington to head USDA's fats and oils division. They spent a year in Guatemala while Jack was an economic analyst there for the U.S. State Department. After another year in Washington, they returned to Memphis in 1947.

The decision to find a country place came in 1951, when they decided to raise Polled Herford cattle, as well as their three youngsters.

Mrs. Crutcher recently wrote in the Polled Hereford World:

"With the assistance of our good friends and neighbors, Jerry Gay of Gay Hills Ranch and A. B. Freeman, former owner of Rock Hill Ranch (now Hull-Dobbs Ranch), we found the location we liked. Our three children, Carolyn, Tommy and Anne, joined us in the excitement over this new venture."

Converting a run-down farm into a

well-equipped livestock place, and dilapidated farm houses into a modern air-conditioned home gave Olga opportunity to exercise her feminine love for rearranging.

But there was a lot more to it than the usual "re-doing" of a home, she explains—

"Along with remodeling the house, constructing a new barn, the entire 150 acres were plowed, seeded, fertilized, gullies bulldozed and a dam made in the valley below the house, creating a lake . . . now stocked with bream and bass.

"Designing the corrals, chutes, etc., and seeing everything take shape . . . was exciting and interesting. Way deep down inside my family tree must have been a dormant gene or chromosome for generations, which, when it had time to develop, burst into energy to match the enthusiasm for ranching and Polled Herfords that I have."

Two years of improvements preceded the arrival of the first polled Herfords; now, the Crutcher cattle are gaining an increasing reputation among those who know good Polled Herfords.

• **It's a Great Life, If . . .** — Visitors who see the lovely Crutcher country home, their beautiful acres and cattle, and the pleasure that the whole family find there will be tempted to go home and urge their own wives to follow Olga's example.

A look at Olga's schedule, before leaping any wife into that life, might be advisable. Not every city girl wants to follow this schedule:

Olga usually gets up about 5:30, prepares breakfast and gets three children on the bus at 6:30 to go to school at Walls, Miss. Jack has breakfast and leaves for Memphis by 7:30 or soon after. Olga then goes to the barn to feed the cattle and tend to things.

The morning is likely to be spent on a tractor, keeping the ranch books or building and repairing fences (she does it herself, too.) During the afternoon,

she may run into Memphis for club work or business, returning to greet the children when they get home at 4 p.m.

She and the children feed the cattle in the afternoon. By 8 p.m. supper's over and it's bedtime. After such a day, the adult Crutchers usually are ready for bed, too, by 10 p.m.

It may not be the life for everyone, but it definitely is for Jack, Olga and the younger Crutchers.

"Living in the country," she writes, "raising our children and Polled Herfords, taking part in the community life as well as activities in nearby Memphis, all go to keeping us very much alive. They afford a life well seasoned with the daily sweets of happiness, contentment and achievement."

## Daniel Pratt Griswold Dies at Birmingham

Daniel Pratt Griswold, 66, Birmingham district sales manager, Continental Gin Co., died Sept. 12 at a Birmingham hospital. He had been with the firm for 48 years.

Griswold was born in Macon, Ga., but had lived in Birmingham for 60 years. He was a member of Avondale Methodist Church.

Surviving him are his widow; a son, Dr. Daniel P. Griswold, Jr., Birmingham; a daughter, Mrs. Marie G. Wade, and two granddaughters, Suzane Estelle and Mary Jean Wade, all of Alexandria, Va.; and a brother, F. A. Griswold, Birmingham.

Friends throughout the industry and his associates in Continental Gin Co. join in sympathy to his family.



## Ginning Advisor

F. L. GERDES, Stoneville, Miss., has been named ginning and fiber technologist for farmer-owned gins in California, Calcot, Inc., has announced. He will work with the gins throughout the season, analyzing equipment and methods used in order to preserve the inherent quality of the cotton. Gerdes is widely known throughout the Cotton Belt and has had 30 years of experience, including serving as head of the fiber research activities at the U.S. Cotton Ginning Laboratory at Stoneville, Miss.



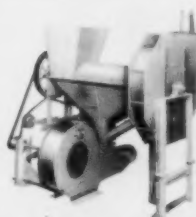
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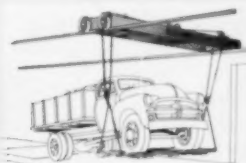
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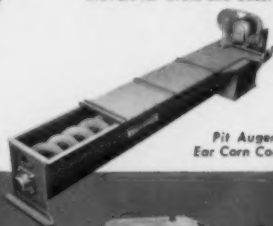
Insist on Kelly Duplex and be sure of highest profits and better savings. It's modern, trouble-free, power-saving. Costs no more than ordinary mill machinery.



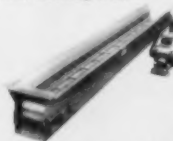
No. 100 GB Corn Sheller with Blowers for Grain and Cobs.



Electric Truck Hoist Cuts Handling Costs.



Pit Auger or Ear Corn Conveyor



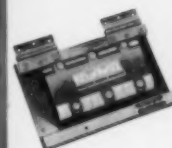
Chain Drag in Double or Single Geared Types.



Vertical Feed Mixers 1/2 to 5 ton and larger



Corn Cutters and Graders with Aspirators.



Magnetic Separator protects mill machinery.



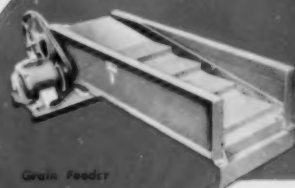
Corn Crusher and Feed Regulator.



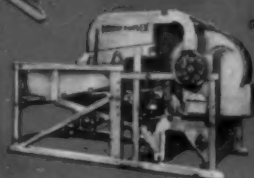
Cob Crusher for making Poultry Litter.



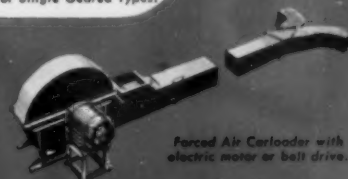
Corn Scalpers with or without Air Cleaners.



Grain Feeder



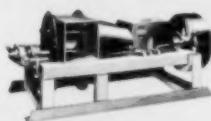
Gyrating Cleaner



Forced Air Carloader with electric motor or belt drive.



Grain Blower and Exhaust Fan



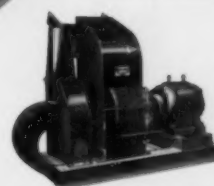
Regular and Pitless Corn Shellers



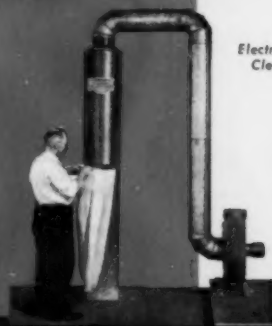
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Vertical Screw Elevator



Hammormills 12", 16", 20", 24" sizes



Electric Bag Cleaner

The Duplex Mill & Manufacturing Co., Springfield, Ohio

### The Duplex Mill & Manufacturing Company Springfield, Ohio

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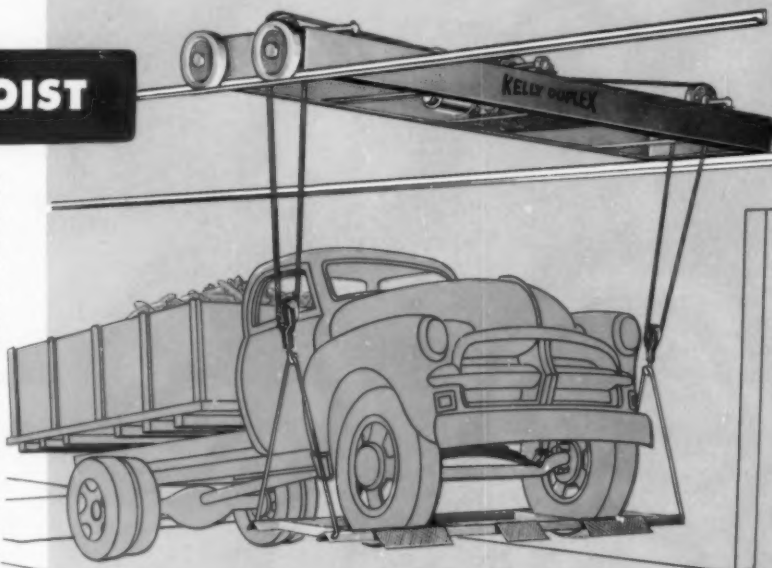


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Designed to unload trucks in less time and with less power . . . and ruggedly constructed to assure trouble-free performance and long life . . . the Kelly Duplex Electric Truck Hoist brings top speed, efficiency and economy to your grain handling operation.

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Kelly Duplex Double Chain Drag with variable speed control. This machine is grain-tight—has flared side boards for extra capacity.

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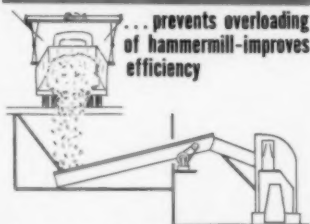
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An automatic electric control—connected to the motor of your Kelly Duplex Chain Drag and to the motor of your hammermill—gives complete, positive control over hammermill feeding. If the hammermill motor begins to show an overload due to excessively rapid feeding—the motor on the drag **automatically** stops until the load passes—then **automatically** starts again.



By LESTER JORDAN, SMU

# Ginning

## Makes Varsity Tackle

### Rugged

Son of Peary Wilemon,  
Texas leader, gets in  
condition through  
work at gin.

**W**ORKING AT A GIN is much easier than getting in top condition to play major college football—but it is not as much fun.

The authority for the above statement is David Wilemon, a worker in the Wilemon Gin at Maypearl, Texas, since he was 12 years old and now a star varsity tackle for the Southern Methodist University Mustangs of the Southwest Conference. He is the 20-year-old son of Mr. and Mrs. W. Peary Wilemon of Maypearl. Dad is a leader in cotton industry activities, and is vice-president of Texas Cotton Ginners' Association.

Although David knows he has worked much harder since he reported to Coach Bill Meek and his assistants on Sept. 1 than he did while employed in Maypearl, he found that toiling around the gin was an excellent means of getting ready for the gridiron season.

When Royal A. "Sharkey" Price, who works with the guards and tackles of the Mustangs, began coaching the Pony linemen in drills last spring, he soon discovered that the Maypearl ginner held lots of promise. However, he was without varsity experience as he had been held out of play during his sophomore year because the Methodists had lots of veteran tackles and did not wish to ruin a year of eligibility in return for the few minutes of experience they might give Wilemon.

When the spring drills were over, Wilemon, who is 6 feet 4 inches tall, weighed 216 pounds. "I want you to return lean and hungry next fall," Coach Meek told him when he left to spend the summer with his parents in Maypearl.

David took the coach at his word, and at the end of the first day's workout in the fall he weighed 195 pounds, representing a loss of 23 pounds during the six months. Hard work seemed to agree with him, however, and a week later he was back over the 200-pound mark.

• **Still Ginning** — Just because he has left Maypearl, Wilemon has not quit ginning. Close critics of the Ponies say that David "gins" down the field with great speed for a rangy fellow and does more than his share of downfield blocking.

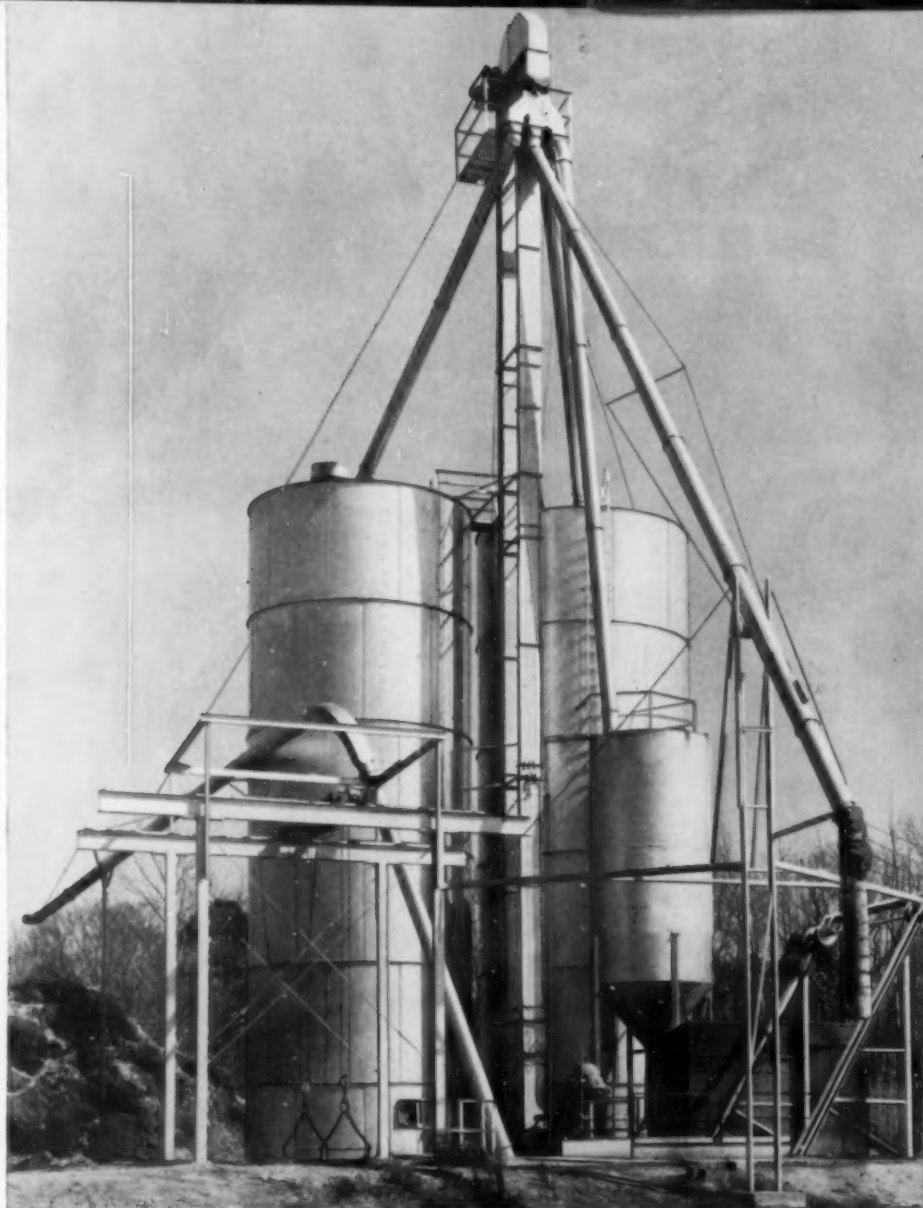
Prior to entering SMU, Wilemon was a star football player at Waxahachie, where he was on the same teams with his two cousins, Tirey and William Wilemon, sons of Superintendent and Mrs.



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# cut your storage costs

with Butler  
steel tanks



Here's a business-getter for a large city terminal. This country grain receiving depot enables the Davis Grain Company, Norfolk, Va., to secure grain in outlying competitive areas. Installation which uses Butler tanks was built by O. A. Newton & Son Company.

Meet Paul Cooper of the O. A. Newton & Son Company, Bridgeville, Delaware. He's typical of the Butler contractors all over the country who are local experts in building Butler steel tank storage facilities.

Your Butler contractor knows the special construction problems, infestation problems and weather conditions in your area—and how to solve them with weather-tight, rodent-proof Butler steel tanks. He'll help you get all of the other benefits of Butler steel tanks, too—low initial cost,

low insurance rates, minimum maintenance, excellent fire and weather protection, easy cleaning and fumigating. And, of course, Butler's speedy erection.

Butler bolted steel tanks are also widely used for bulk storage of feed and ingredients. Capacities range from 1,297 bushels to 123,364 bushels.

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T. C. Wilemon of Waxahachie. The two Waxahachie Wilemons are also on the SMU varsity this season and both are left halfbacks.

When David finished Waxahachie high school, his coach, L. T. Felty, predicted a great future for him in major college football. "He is just as fine a college prospect as was Richard Chapman, another Waxahachie high school tackle who went to Rice Institute and became an All-American," Felty said.

Thus far, David's play at SMU justifies the faith of his high school coach, SMU athletic officials say. He was a constant performer on the 1955 fresh-

man team that was rated one of the top first-year units in recent conference history.

And when Varsity Coach Bill Meek thinks of the three years of eligibility ahead of Wilemon, he finds it easier to gaze into the future.

## Fire Protection Tested

Complete CO-2 systems for cotton gins are being tested at a gin at Sterlington, La. Ginners' organizations, Underwriters' Laboratory and fire insurance organizations are cooperating, with results to be announced later.



## Cited for Five-Year Safety Record at Cotton Gin

GIN MANAGER Orville Fleming, right, and Ginner B. L. Fudge, Jr., left, have had no accidents at Producers' Dairyland Gin near Madera, Calif., from 1952 through 1956. They received this award for their five-year safety record from the Argonaut Insurance Co., sponsor of the awards program.

## Producers' Gins Given Awards

FIVE YEARS without a single accident in the cotton gin. That is the record of Orville Fleming, manager of Producers' Dairyland Gin near Madera, Calif., who has been given the Award of Merit for exceptional industrial safety achievement. Fleming, who started with Producers' as a gin clerk in their first year of operation in 1930, has actually not had an accident in his gin in the last 10 years—or five years before the achievement awards were created and sponsored by the Argonaut Insurance Co. of San Francisco.

Tom McLaughlin, personnel director of Producers' Cotton Oil Co., and chairman of the cotton subcommittee of the Governor's Industrial Safety Conference, said in announcing the award, "At one time the insurance companies would not cover gins at all. In the last 12 years, the insurance rates for cotton gins have been reduced by 50 percent because of an active safety program. Producers' is one of the original companies to propose the safety code for ginning industries."

Altogether, 20 of Producers' gins re-

ceived awards for safety records of one, two, three and five years.

A three-year award was given to two Maricopa gins, where Bob Waters is gin manager and Audie McCombs and James Jackson are the ginners.

Thirteen gins received two-year awards. The gins, their managers and ginners are: Caruthers, Howard Wyrick and Benton Thompson; Fresno, Marion Case and Jack Watt; Kerman, E. N. Johnson and Ray Metcalf; Meridian, Jack Suender and Will Weddel; Pleasant Valley, Primo Niboli and Lewis Doming; San Joaquin, Jim Fish and Dave Kerr; Sierra, Larry Warren and R. B. Fry; Sunset, Carl Tunison and Booth Wood; Tulare, Tom Walls and Ira Malson; Westfield, Nate Dildine and Abe Merritt; and Westhaven, Larry Doyle and Gene Martin.

Seven gins received one-year awards. The gins, their managers and ginners are: Angiola, Morrison Mahlmann and Sakey Bynum; Delta, Homer Haggard and Clayton Lyons; Devil's Den, Emerson Cartwright; Helm, Bob Gleason and Floyd Ingram; Lemoore, J. L. Sandusky and S. C. Jones; Madera, Wayne Lasher and Alton Ryan; and Old River, Gary Cregger and Harlie Sanders.

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## BUTLER MANUFACTURING COMPANY



# for Better Cotton Ginning

*Mississippi Has Varied  
Program To Meet  
Mills' Needs*

By OSCAR CARR, JR.

*Chairman, Delta Council Ginning Improvement Committee*



THE Yazoo-Mississippi Delta has long been recognized as one of the major production areas for cotton with superior spinning qualities. Representing the agricultural, business and professional leadership of the area, Delta Council has worked consistently on a broad front to preserve and improve these cotton qualities desired by mills. At the same time, the Council has devoted a great deal of attention to research, cotton mechanization and practices offering opportunities for more efficient production.

**NATIONAL COUNCIL** — Early efforts of Delta Council to promote cotton consumption in the Delta area of Mississippi led to the organization of the National Cotton Council of America, whose dynamic program is rightfully credited with most of the market gains that cotton has made in the past decade.

**SPINNER-BREEDER CONFERENCE** — Recognizing that domestic mills are our best customers, Delta cotton leaders, working through Delta Council, also initiated the Cotton Spinner-Breeder Conference in 1944, to provide the opportunity for breeders and spinners to discuss and review mutual problems. Cotton breeders and producers on the one hand were specifically interested in finding out what fiber properties were desired by spinners so that breeding and production programs could be geared to these requirements.

**MECHANICAL PICKERS** — With the widespread adoption of mechanical pickers after World War II, spinner interests focused attention on the need for new gin machinery to clean mechanically-picked cotton. The development of these new gin machines, along with laboratory equipment and techniques for measuring cotton qualities, pointed out clearly the need for greater emphasis on

attaining a higher level of skill in cotton gin operation. The ginning improvement program in the Delta Council area was organized in response to this need.

**GINNING IMPROVEMENT COMMITTEE** — Carried on through the Ginning Improvement Committee of Delta Council, ginners, producers and scientists from the U.S. Ginning Laboratory, the Delta Experiment Station and the Extension Service work as a team to preserve and improve the quality of Delta cotton.

The Delta Ginners' Short Course, a two-day lecture-discussion-demonstration type school, was initiated to provide information on the proper methods of gin machinery operation to preserve fiber quality. Cooperation of gin machinery manufacturers resulted in the widespread distribution of gin operational and instructional material.

"The Ginners' Handbook" was compiled by the Mississippi Extension ginning specialist at the request of the Ginning Improvement Committee. Mimeographed for the first edition, two more comprehensive editions of the handbook have been printed by the Arkansas-Missouri Ginners' Association, and this publication has received world-wide distribution.

The Delta Council Ginning Improvement Committee is also one of the sponsors of the Mid-South Gin Schools held in Memphis at the branch plants of the gin machinery manufacturers and attended by ginners from Mississippi, Arkansas, Tennessee, Missouri and Louisiana.

Direct contact with mill representatives has been maintained throughout the years by the Ginning Improvement Committee in a continuing program to impress ginners and farmers with the necessity for quality improvement. Key mill officials appear on the Delta Ginners' Short Course program to bring first-hand information on the damage to

fiber properties from such practices as overdrying and improper operation of gin machinery.

Ginners are also urged to attend and participate in the Spinner-Breeder Conference. Every other conference is held in cotton mill territory, providing the opportunity for breeders, producers and ginners to personally contact spinners, tour cotton mills and thereby gain a better understanding of their problems.

**TAR SPOTS** — When loss to mills from "tar spots" was called to the committee's attention, Delta Council launched an all-out educational program to eliminate the main source of trouble—tar bottom or asphalt-coated pick sacks. Retailers, wholesalers and pick sack manufacturers were contacted as well as individual farmers. After two successive years, the use of tar bottom pick sacks has been drastically reduced in the Delta Council area. Efforts to entirely eliminate tar spots is continuing in 1957.

**GIN FIRES** — The program of the Ginning Improvement Committee has also been directed toward reduction of gin fires, credits on insurance rates for the elimination of certain fire hazards, credits for magnetic separators meeting Underwriters Laboratories standards, safety in the gin, and a study of sources of power for gin operation. Committee action, coordinated with the Cotton Committee of the State Insurance Association, resulted in more liberal fire insurance credits for specific precautions and appreciable savings to individual ginners. The "Delta Ginners," an informational type bulletin, is mailed to all gins in the area.

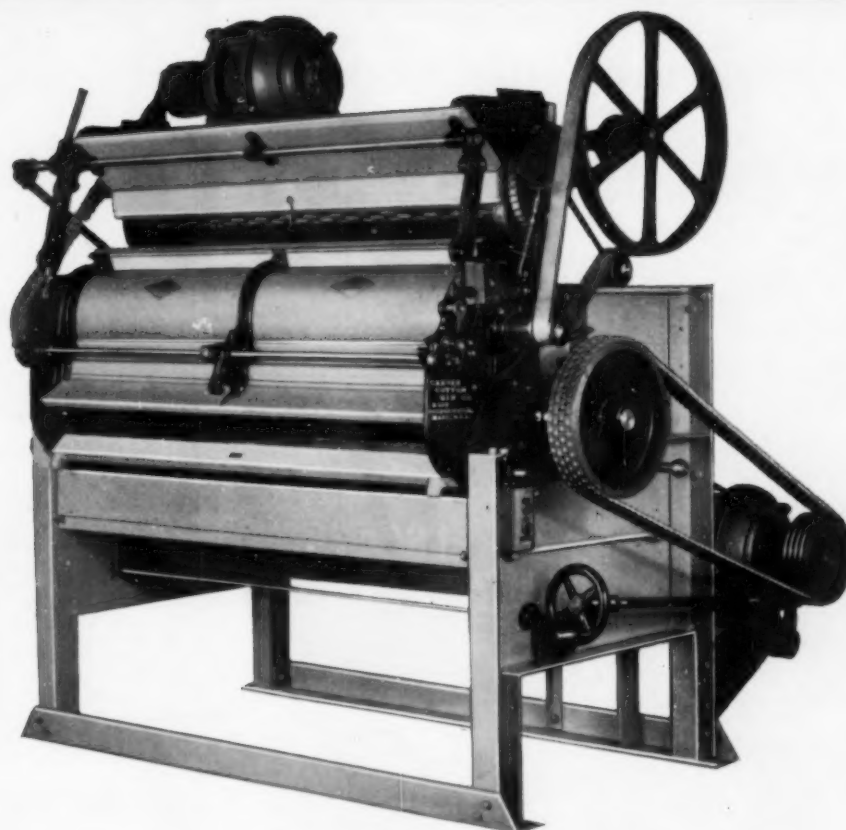
**BALE IDENTIFICATION** — The Delta Council Bale Identification Program is another example of efforts by farmers and ginners in the Delta area to stress cotton quality. Initiated at the request of cotton spinners in 1940, an average of 600,000 bales of Yazoo-Mississippi Delta cotton are identified by copyrighted Delta Council bale tags each year. A State law sponsored by Delta Council makes it a misdemeanor for identification tags to be removed from cotton bales.

**MILL COMPLAINTS** — Complaints by mills concerning the quality of the 1956 Mid-South cotton crop have been of great concern to the Ginning Improvement Committee, as well as to other committees of Delta Council.

A study of spinning test results along with the results of conferences with cotton technicians, breeders, Experiment Station and Ginning Laboratory officials, and cotton merchants indicate that the "off quality" condition in 1956 was largely due to extreme drouth stress conditions under which the Mid-South crop was produced. The main complaint of poor spinning quality appears to be primarily the result of shorter staple lengths that go hand in hand with the severe drouth that prevailed throughout the area.

**1957 SEASON** — Early season results from the 1957 Delta crop indicate that adequate rainfall this year brought staple lengths back to normal. It is believed that this condition together with a continuing program to prevent fiber damage and preserve quality at the gin will afford spinners a more adequate supply of the qualities of cotton that they need from the Yazoo-Mississippi Delta in 1957.





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## Second Japanese Cotton Week

**T**HE SECOND COTTON WEEK in Japan showed significant advances in activity and impact over the 1956 Cotton Week which was itself a major nation-wide event, report Cotton Council International representatives who visited Japan during the observance.

Cotton Weeks were organized in 15 cities, plus large-scale but "unofficial" weeks in two other cities. Last year, Cotton Week was organized in 12 cities.

A conservative estimate is that about half the 90 million population of Japan was reached with cotton-selling messages during the 1957 Cotton Week through local events amplified by national newspaper, radio and television advertising, and publicity.

### Promotional Activities

Examples of the scope of the 1957 effort to expand Japanese home markets

Japan's Cotton Week, reported in the accompanying article, is part of a broad international program to promote cotton. The National Cotton Council, USDA and foreign cotton groups are cooperating. This program was fully outlined in a feature article, "King Cotton Goes International," Feb. 9, 1957, in The Cotton Gin and Oil Mill Press. Reprints of the article have been widely distributed here and abroad. —EDITOR.

for cotton textiles reported by Japan Cotton Promotion Institute include:

Full cooperation by all nine major department stores in Tokyo (population eight million plus) and all eight major department stores in Osaka (population two million plus);

At least 14 cotton fashion shows in six cities;

At least 34 cotton advertising parades, festivals, or special programs in 15 cities, not counting sales in hundreds of stores in all 17 cities.

At least 32 appearances at fashion shows, press conferences and other events in 11 cities by Miss Cotton;

At least seven 15- to 30-minute national network radio broadcasts;

At least 37 television spot announcements, plus five programs and 18 spots by the special cotton lace, eyelet cloth, and embroidery association;

At least 30,000 Cotton Week store posters and 14,900 Cotton Week street-car cards;

At least 125 articles, and/or photos referring to cotton in five national general and industry newspapers during May and June—compared with 18 for man-made fibers during the same period for the same papers.

### Financing

Most of this partial list of activities was wholly or partially financed by cooperating organizations such as local wholesaler and retailer groups, large spinning and weaving companies, chambers of commerce, cooperating newspapers and radio stations, and trade associations. Cost to JCPI and the cooperative program was measured in a few thousands of dollars.

During the May-June period last year, 31 articles about cotton appeared in two major national newspapers, compared with 125 in five newspapers in 1957. One hundred retailers took part in Cotton Week in the city of Kumamoto last year compared with an estimated 400 in Kumamoto and the surrounding prefecture this year, and little, if any, radio and television advertising in 1956 compared with the near-saturation schedule in 1957.

Though Cotton Week is the biggest single merchandising event, JCPI has developed virtually a year-round domestic promotion program using many of the same techniques developed by the National Cotton Council in the U.S. Factors such as increasing population, rising standard of living, and lower taxes are very important, but Japanese cotton industry officials give the promotion program a large share of credit for the increase in per capita cotton consumption in Japan from 6.28 pounds in 1955 to 7.16 in 1956 and 7.2 in the first quarter (winter in Japan) of 1957.

*Rugged, Shot-blast Tests Indicate...*  
**RUBBER-LINED GIN ELBOWS  
OUTLAST GALVANIZED "L's"**  
*9 to 1!*



In a specially-designed cabinet, 20-gauge, 8" elbows are shot-blasted under conditions far more severe than actual operating wear. Size G-25 crushed steel grit is blown into elbows at a velocity of 1660 feet per second—greater than the muzzle velocity of the most powerful rifle!



After only 12 minutes blasting time, holes appeared in unlined elbow "A". Elbow "B", lined with 1/4" rubber, was exposed for 17 1/2 minutes without visible signs of wear. Calibration indicated only 1/32" average abrasion.

Up to 9 times longer service life... and rubber is the answer! Hundreds of gin operators throughout the Southwest have already saved time and money with Abrasion & Corrosion rubber-lined elbows. Now, the results of recent shot-blast tests give undeniable proof that you, too, can cut downtime to a minimum by installing A & C rubber-lined "L's".

Worn-out fan scrolls, too, even if full of holes, can actually be made better than new with A & C rubber lining! They will outlast new scrolls by many times and can be used in-

definitely if the lining is replaced as it wears out.

It will pay you to check into A & C rubber linings right away. For complete information, see your nearest dealer or write to:





### Parker Heads ACPA

G. F. PARKER, Tiptonville, Tenn., cotton producer and ginner, has been elected president of American Cotton Producer Associates. He succeeds A. L. Story of Charleston, Mo. Parker also is president of Tennessee Agricultural Council, and has varied business interests. ACPA at a recent meeting in Memphis re-elected H. R. Adams, West Memphis, secretary; he also is executive manager of the Agricultural Council of Arkansas. ACPA has as its advisory board the presidents and executives of affiliated groups in Mississippi, Louisiana, Arkansas, Tennessee, Texas and Missouri.

### Watershed Congress Hears Water, Soil Reports

Watershed and water conservation programs are not farm programs and should not be considered as such, Senator George D. Aiken, Vermont, told the fourth National Watershed Congress in Atlanta, Sept. 23.

"The very existence of our cities and towns depends upon the continuing preservation of our resources of soil and water," he said. "The public should be made aware of this fact so that greater effort can be made to carry on the work that has been started."

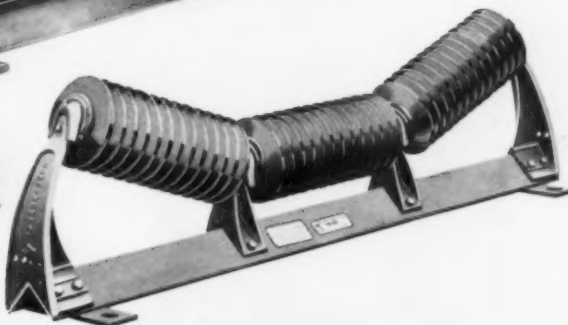
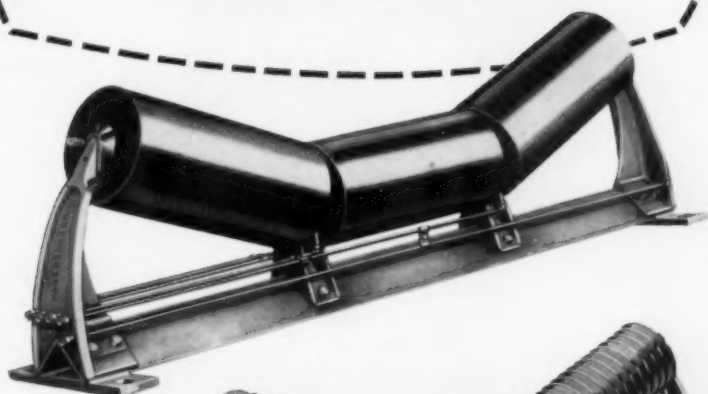
America is growing thirsty and only strict conservation of waters will prevent a real shortage, Kenneth S. Watson, consultant of the General Electric Co., told the Congress.

Demands of industry, the increasing population, the trend toward irrigation of farm crops already has created severe shortages in some areas, where industry has been forced to use and reuse water in order to meet its demands.

### Cotton Congress Will Meet in Valley

The 1958 American Cotton Congress will be held at Harlingen in Texas' Lower Rio Grande Valley and across the Rio Grande in Mexico, Burris C. Jackson, Hillsboro, Texas, general chairman, has announced. The dates are June 5-6-7. Reservations should be made through Harry Nunn, Madison Hotel, Harlingen.

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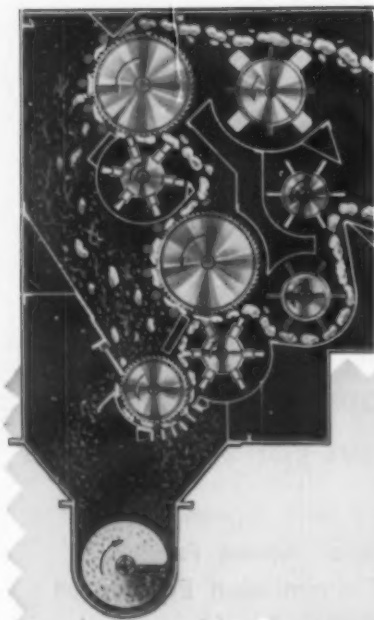
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USERS' PRAISE HIGH STOP HOPE EVERY SUPER  
UNIT AND SUPER JEM USER WILL VISIT A  
NEARBY PAPOOSE INSTALLATION STOP BELIEVE  
THE SHORT TRIP WILL PAY DIVIDENDS IF YOU  
PLAN IMPROVEMENTS IN 1958 STOP

We like to let our machines speak for themselves. The Papoose is young and small, but he is speaking loud and clear.

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Mariana, Arkansas  
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Lindsey Mercantile & Gin Company  
— Caldwell, Arkansas  
Neighbors Gin Company —  
Rector, Arkansas  
Oldham Gin — Lonoke, Arkansas  
P. L. Oliver Cotton Company —  
Corning, Arkansas  
Peters Gin — Marvell, Arkansas  
Sloan Gin Company —  
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Truman Gin Company —  
Truman, Arkansas  
Widener Gin — Widener, Arkansas

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Dublin Bonded Warehouse —  
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## LOUISIANA

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Burn Gin Company, Inc. —  
Waterproof, Louisiana  
Darby Gin — Arnaudville, Louisiana  
Estate of J. C. Carnahan —  
Clouthierville, Louisiana  
Olivedell Planting Company —  
Lake Providence, Louisiana  
Progressive Gin Company —  
Winnsboro, Louisiana  
Service Gin & Manufacturing  
Company — St. Joseph, Louisiana  
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Flippin Gin — Milan, Tennessee  
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Humboldt, Tennessee  
Oakville Gin Company —  
Oakville, Tennessee  
RoEllen Gin Company —  
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Edwards Gin — Muleshoe, Texas  
Farmers Gin Company —  
Henderson, Texas  
Farmers Co-op Society —  
Thalia, Texas  
Nickels Gin — Littlefield, Texas  
Guy Nickels Gin — Muleshoe, Texas  
Planters Gin Company —  
Karnes City, Texas  
Union Gin Company —  
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It's Good for What Ails You

## The Seven Wonders of Soy Sauce

By Masashi Komiya

**A** SAUCE with a 1,200-year history is one of the reasons why Japan has long been a leading world market for soybeans. The sauce is shoyu, or soy sauce, made from soybeans and wheat. It appears on the table of every family in Japan—rich and poor alike—and is exported all over the world.

Why has shoyu become an integral part of the Japanese diet? The largest

single reason is that it has long been used as seasoning. A large quantity goes into the cooking of soybean products, noodles, and vegetables.

With apologies to the author of the recent motion picture illustrating the seven wonders of the present world, I would like to tell you about the seven wonders of shoyu, or soy sauce.

• Wonder No. 1—In spite of its salt

(The following article is reprinted from a recent issue of USDA's Foreign Agriculture. The author is managing director, Japanese Shoyu (soy sauce) Association, Japan, the leading foreign market for U.S. soybeans, imported over 21 million bushels in the last marketing year and may take as many this year. Japan expects to produce 1,527,000 tons of soy sauce in 1957, from about 370,000 tons of beans and meal (in term of beans). Of the U.S. beans, 10 million bushels will go into soy sauce. —Editor.)

content of 18 percent, shoyu does not taste excessively salty. By contrast, when a soup spoonful of sea water, which contains a mere three percent of salt, is swallowed, the salty taste is almost unbearable. It is estimated that the average Japanese obtains one-third of the salt he needs from shoyu.

• Wonder No. 2 — Shoyu has a high germicidal action. Professors F. Ujiie and Yokoyama of the Micro-Organism Laboratory, faculty of medicine of Tokyo University, have shown that various micro-organisms which are the bane of human beings are destroyed in an extremely short time in shoyu.

• Wonder No. 3 — Shoyu is a nutrient for the heart. Scientists say this is due to the tyrosine content of shoyu. Some even go so far as to say that it is because the Japanese consume shoyu regularly that they are relatively strong in such sports as long-distance running, wrestling, and table tennis, which put a heavy load on the heart, or that the incidence of heart diseases among them is low compared to that among people of other countries.

• Wonder No. 4 — Shoyu is made solely by the power of micro-organisms. Absolutely no chemicals are used in the processing; the breakdown of the soybeans and wheat is accomplished by the action of yeast organisms and appropriate bacteria. The protein of soybeans becomes nitrogen in amino acid form and the carbohydrate of wheat is converted into alcohol and sugar. The result is the special flavor of shoyu. If soybeans are to be broken down by hydrochloric acid, they must be boiled for seven hours in the acid, which has been heated to 200°C.

• Wonder No. 5—Shoyu contains tryptophane, a rare substance indispensable for the growth of the human body. This substance occurs in extremely small quantities, but is of utmost importance. Although the Japanese people did not eat any meat until about a century ago, the bodily build of the people before that time was not inferior in any way to that of the present-day Japanese. One reason was probably the tryptophane in shoyu.

• Wonder No. 6—Shoyu combines the tastes of salt, sugar, and vinegar, and blends them harmoniously as if in a symphony of flavors. Thus, on many Japanese dining tables, salt, sugar, and vinegar are never provided.

• Wonder No. 7—Shoyu has been on the Japanese dining table for 1,000 years as a commodity of indispensable importance for daily life.

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## ELEVATOR BUCKET



TAPERED SIDES PERMIT NESTING TO ECONOMIZE STORAGE AND SHIPPING.

PROPERLY LOCATED BOLT HOLES ASSURE PERFECT LOADING AND DISCHARGE.

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This is a valuable feature which saves space in shipping as well as in storage. Winona Buckets in 4x3 size come banded in "twenties". Larger sizes come banded in lots of "ten".

IT IS TRULY A NEW KIND OF BUCKET DESIGNED FOR HIGH SPEED, HIGH CAPACITY LEGS—OR FOR LOW SPEED LEGS AT CLOSE CENTERS OVER A WIDE RANGE OF PULLEY SIZES.

The Winona Bucket is a companion to our NU-HY, SALEM, HEAVY-DUTY "V" and NU-TYPE BUCKETS. We also manufacture a complete line of standardized Bucket Elevators, Screw Conveyor, Screw-Lift, Screw-Veyor and Screw-Flo. The "Kewanee" Line consists of Hydraulic Truck Dumpers, Truck Lifts, Grain Loading Spouts and Grain Grates.

The new Winona Bucket has been received with high acclaim throughout the industry because it offers greater possibilities for all-around use. It operates equally well at high or low speeds and at close centers—a problem which elevator operators have struggled with for many years. Winona Buckets give you efficient pick-up and discharge at any speed. Their improved contour enables fast loading and discharge. High capacities are obtained without over-working the leg. Construction-wise the Winona has refinements which win further plaudits. Serrated flanged sides are projection welded which provides maximum strength at these critical points. You would have to go some to tear a Winona Bucket apart. This means longer service and a more satisfactory installation. Investigate the New Winona! Equip one of your legs with Winona Buckets and note the improved performance you get over conventional buckets. Write for Bulletin WB-357.



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**Y**our cotton warehouseman "*carries the bale*" in moving your cotton to the goal of world markets — safely, accurately, quickly.

**Safe storage** protects from loss and damage.

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**Compression** permits minimum transportation costs.

**Negotiable warehouse receipts** provide ready financing — expedite sale and delivery.

**Applied "know how"** speeds delivery to carrier, and arrival at destination.

**Dependable cotton warehouse services** make possible accurate completion of *Cotton's Forward Pass* to the markets of the world.



**NATIONAL COTTON COMPRESS &  
COTTON WAREHOUSE ASSOCIATION**  
MEMPHIS, TENNESSEE

## Bearing Maintenance Pays

**B**EARING MAINTENANCE information that will help ginners reduce downtime and machinery damage is being distributed by Joe R. Jones, Texas Extension cotton ginning specialists, College Station.

Members of Texas Cotton Ginners'

Association have received a schedule, prepared by Jones, to post in gins so that employees will grease bearings properly. This points out that over-greasing, under-greasing and dirty grease cause bearing failures.

Jones lists the following important

points in connection with maintaining ball and roller bearings:

1. Losses from down time and machinery damage occur when bearings are not given the best care. For example, the replacement of a countershaft bearing can lose 20 to 30 bales of cotton.

2. Bearings fail to receive the best care when the person servicing them: (a.) Does not know how (b.) Does not know when (c.) Does not remember.

3. The purpose of a preventive maintenance program is to prolong bearing life and finally, to replace bearings during initial stages of failure. This will minimize damage to equipment as well as reduce fiber damage.

4. One of the most important phases of preventive maintenance is proper lubrication of bearings. Both quantity and quality of the lubricant are important. Use a mineral lubricant recommended by the machinery manufacturer. The correct quantity of grease for a bearing housing is one-third to one-half full. In housing equipped with grease fittings, this quantity is not easily determined. Too much lubrication causes hot running bearings and may even result in damaged seals. Consequently, it is necessary that the correct quantity of grease be added or that the bearing be allowed to purge itself through the seals or drain plug, or to remove the grease fitting. This is to allow excessive grease an outlet.

5. When a housing heats up for no apparent reason, the cause may be over-lubrication, underlubrication or a bearing about to fail.

6. When noise and heat both are present, look at the bearing seals. If the grease shows around the seals, chances are the bearing has too much grease in it. Remove either the grease fitting or the drain plug to allow excess grease an outlet. Replace the plug or fitting after a few minutes.

7. If no grease shows around the seals, grease the bearing. If the noise was from underlubrication, it will disappear immediately. After greasing, remove the plug or fitting for a few minutes and let the extra grease purge itself from the bearing.

8. If noise and heat continue after a reasonable time, it is probably because the bearing has failed, or will fail soon.

9. Remember that every time a bearing is greased with a gun, chances are that too much grease has been added to the bearing. This extra grease must be removed, or the bearing will run hot. That's the reason for removing the plug or fitting after every greasing.

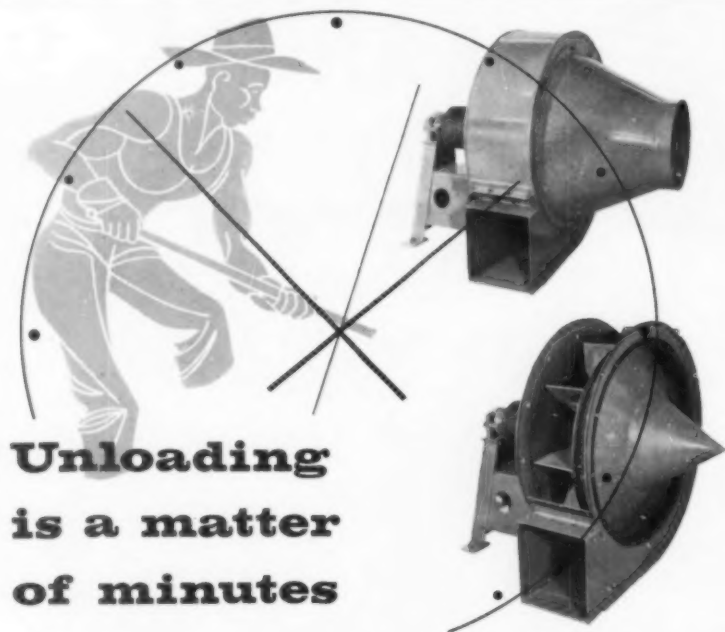
10. To get bearings maintained properly, it is necessary to inform people how, when and where.

### Suggested Maintenance Schedule

1. Grease bearings at end of operating season or after 6,000 bales—which ever occurs first. Bearings operating in heated surroundings require more frequent greasing.

2. Operate equipment at least 30 minutes each month during off season.

3. One month prior to ginning, operate equipment for two hours and then check all bearings for temperature and noise. Normal temperature is 40 degrees to 60 degrees above surroundings. If hand can be held on bearing housing for two seconds without discomfort, the temperature is 120 degrees or less which is about the correct operating temperature for bearing housings not exposed to artificial heat.



## Unloading is a matter of minutes

Here's the most practical and lowest cost method of conveying seed cotton straight from the truck into the cotton house. With the Boardman SUPERBLAST Unloading Fans, the advantage lies in the perforated screen that revolves with the blast wheel. The sloping surface of the cone-shaped screen prevents cotton roping and seed breakage. As the cotton comes in, it is caught by this screen while the air goes through the perforations. The cotton is whirled off the screen by centrifugal force and picked up again by the air blast at the outlet. There's no fire hazard; the blades never touch the cotton.

Write Boardman for more complete details about both the Conical Screen and the Standard Unloading Fans.

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OKLAHOMA CITY, OKLAHOMA

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When Texas Employers' Insurance Association carries your workmen's compensation insurance you can combine your own initiative with the technical ability and know-how of TEIA's staff of highly-trained Safety Engineers for really *superior* results. A "tailor-made" program will include help in planning and improving your accident prevention activities, technical assistance at *any* location in Texas, and aid in solving any occupational disease problems which may exist.

Placing your workmen's compensation insurance with Texas Employers' will make available to you the most modern and successful methods known for combating industrial accidents. For the benefit of your employees and your company, investigate the services offered by Texas Employers'.

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## • Soybean Venture In Argentina

SOYBEANS MAY one day join sunflower, cottonseed and flaxseed as an important oilseed crop in Argentina according to Volorous H. Hougen, Fats and Oils Division of the USDA Foreign Agricultural Service.

Argentine commercial interests are introducing soybeans on a large scale. They believe the crop may be more profitable than cotton, wheat, corn and sunflower in certain marginal districts.

The area selected for immediate development—about the size of Kansas—includes all of Santa Fe Province and parts of adjacent provinces. It extends into important areas of wheat and corn production on the south and cotton on the northeast. Sunflower and flaxseed also grow here.

"It is clear to me," Hougen stated, "that careful planning has gone into this program. Argentine agronomists and soil scientists, trained in the U.S., are analyzing soils and climatic conditions . . . at government research centers soybean varieties are receiving careful tests. In 1956-57, 74 varieties were on trial in different parts of the country."

Like the varieties, the farmers themselves are carefully selected. Each gets not only a contract for the purchase of his crop, but seed, inoculants, fertilizers, and technical guidance. Five times during the 1956-57 crop year, each grower received instruction and practical demonstration, covering everything from preparing the seedbed, planting, cultivating, and controlling diseases and insects, to harvesting the crop. Successful pro-

## Weevils Are Controlled By Toxaphene-DDT

Toxaphene and DDT controlled boll weevils this season and farmers made a good cotton crop in the midst of the area where resistance to insecticides was first reported.

Carefully-planned tests, made by Hercules Powder Co. on Louisiana farms, were recently shown to agricultural editors. The editors found that these farms, on which early-season control was emphasized, made high cotton yields that contrasted sharply with those on surrounding farms.

Made during a wet season, when weevils were hard to control, the Hercules tests were not designed to prove or disprove the development of resistance to chlorinated hydrocarbons among weevils. They were planned to show, (and the visiting editors agreed that they succeeded in doing this) that the proper application of toxaphene and DDT will effectively and economically control weevils, even in the resistant area.

## Plains Stations Study Varieties of Sesame

Sesame's potentialities for the High Plains of Texas are being investigated this season by two research stations—Texas Experiment Substation at Lubbock and Texas Research Foundation's unit at Halfway, in Hale County.

Ernest Thaxton of the Lubbock Substation reports that sesame seems to have a place in the diversified program on irrigated farms. He anticipates yields of 700 to 1,200 pounds of sesame seed per acre.

High Plains farmers are estimated to have planted up to 10,000 acres of a semi-shattering sesame variety, which is expected to bring about 10 cents per pound for the confectionery trade. Researchers are continuing work to improve sesame for nonshattering, mechanical harvesting characteristics, so that the crop can be grown economically as an oilseed for crushing.

Texas Research Foundation is investigating dryland and irrigated sesame production and also is increasing seed of its Renner 15 variety at Halfway to provide planting stock for farmers in 1958.

## Soybean Inspection Starts

Uniform inspection service for soybeans and grain is the objective of a program started by the chamber of commerce at Greenville, Miss. Mississippi Department of Agriculture will administer an inspection service with official grade certificates.

ducers are expected to help train others in future years.

The present objective is to produce 15 million bushels of soybeans. Technicians claim that soybeans will partly replace not only corn and wheat, but cotton and sunflower also.



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### **TEXAS POWER & LIGHT COMPANY**

## He Likes Cotton Ginning But . . .

## . . . It Takes Fishing And Photography To Keep 66-Year-Old Busy

**G**INNING COTTON isn't enough to keep 66-year-old Sam Jennings of Arizona busy, so he's head of the Arizona State Fair photography department year. And, he finds time to go fishing, too.

For 41 years, the co-owner of Community Gin Co. has been ginning in Arizona, and he probably has the record for length of service in the state's ginning industry.

Jennings' story was told recently in Arizona Farmer-Ranchman, as follows:

Jennings got into the ginning business by being an outdoor man. "I lived and camped out all my life," he says. "I guess what drew me to Arizona was the fact that in 1911 it was the true outdoors and real frontier."

After attending George Washington

University for a few terms, Jennings headed west and landed as a school teacher and athletic coach at Tempe High. During summers, he worked for nearby gins, starting with the Pima Gin Co.

• **Likes Ginning** — He likes it so well that he dropped teaching and started ginning. Progress was slow for many years, since the industry in 1916 was a baby in Arizona.

Around 1930 the depression hit pretty hard. "But the situation got better as cotton because more of a crop," he says. "Since the depression, cotton and farming have been getting better and better."

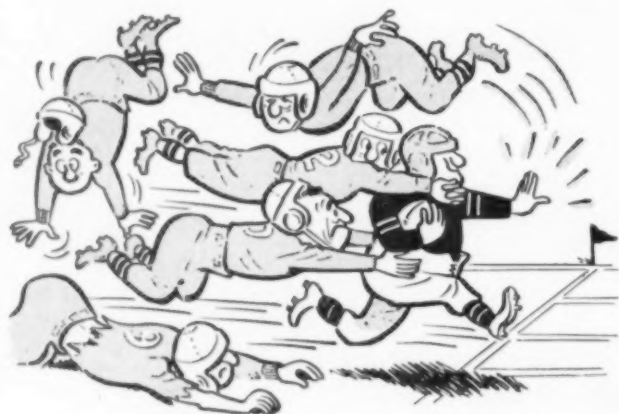
Jennings' firm has played a big part in the development of Arizona's cotton industry, the farm magazine pointed out.

Jennings is owner of the company in partnership with his son, Sam C. Jennings, A. H. Smith, G. A. Armstrong, and his two daughters, Mrs. A. J. Lewis and Mrs. Kathleen Slover. Progress this year is good for Community Gin. The company is building new long-staple gins at Glendale and Scottsdale, and a new short-staple gin at Harquahala Valley. It also owns YD Gins at Stanfield, Deer Valley and Cashion.

When he isn't busy ginning, Jennings heads for the deep water and fishing. This fall, though, running the fair's photography department is going to take up some of his spare time. Here's how that happened:

About five years ago, his wife gave him a Polaroid camera as a present. Then a friend gave him another camera. "My wife and I took a trip all over and I started shooting pictures," he says. "I've been doing that ever since. Three years ago, my friend, Les Mahoney, got me to join the Phoenix Camera Club. As soon as I joined, they put me on the outing committee and I wound up doing all the cooking when we went on trips."

Selection of a photography department head for the fair usually is made from the Phoenix Camera Club membership. This year Jennings was chosen. "The reason they picked me is because it requires a lot of work and time," he says. "It's my responsibility to catalog the pictures as they come in, pick the judges to make the award selections, and to return the pictures. We'll also select the pictures to be put on display and the films to be shown as special entertainment in the photography department during the fair."



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## National Fats & Oils Brokers' Association



## Cotton Stalks Make Varied Products

Seeking to develop all of its resources, the Republic of Sudan is using cotton stalks to make many different items. Paper, blanket cloth, briquets, coarse shirting cloth, cotton bale bagging, wall-board and dextrose are among the products that have been made experimentally from cotton stalks.

Samples of these products have been received by The Cotton Gin and Oil Mill Press from D. Hepburn, engineer advisor of The Sudan Gezira Board.

## • Directors of Plains Growers Meet

THE BOARD of directors of the Plains Cotton Growers, Inc., of Lubbock, Texas, has voted to endorse the general ideas of the Grain Sorghum Producers' Association legislative plan which ties in with the present cotton legislation. Frank Moore, Plainview, presented the bill, at the recent meeting.

Wilmer Smith, Plains Growers' vice-president, reported on a meeting of the American Cotton Producers Association held Sept. 19 in Memphis, at which time the group voted to reaffirm its position backing the ACPA legislative plan. This plan, in bill form, is scheduled for hearing Jan. 15, 1958, by the House Agriculture Committee.

Dr. Harold Loden, head of Paymaster Farms at Aiken, reported on cotton variety tests conducted over the past few years. Dan Davis, manager Plains Cotton Co-op Marketing Association, reported on light-spotted cotton price differentials for the 1957 season.

George Pfeifferberger, executive vice-president, told the directors that a quality survey for the 1957 crop has been worked out with the USDA officials and would be made this year.

## • Rex New Arkansas Cotton Variety

REX, a new cotton strain, is announced by Arkansas Experiment Station, Fayetteville.

Rex is an early maturing variety with big bolls. It is resistant to storm losses and certain diseases. Staple length and gin turnout compare favorably with varieties now grown, the Station reports. Rex matures 10 days to two weeks earlier than many commercial cottons.

Carl Moosberg, agronomist, Cotton Branch Experiment Station, Marianna, Ark., developed the variety.

Registered seed will be available from commercial breeders for planting in 1958.

## California to Name Maid

California chooses its Maid of Cotton Nov. 9 at Fresno.

Selected from a score of entrants, she will be outfitted in cotton by Fresno Cotton Wives' Auxiliary and the cotton industry. The Maid then will tour California before entering the national contest in Memphis late in December.

## Committee Meets Oct. 1

The joint cottonseed-soybean committee studying export markets met in Chicago Oct. 1. Producers and processors from both industry are represented in this group, as reported earlier in The Press.

## 20,000 Acres of Soybeans

Marlboro County in South Carolina has more than 20,000 acres of soybeans this season.

■ ALBERT K. MITCHELL, New Mexico livestock leader who heads the International Livestock Exposition at Chicago, has received American Meat Institute's first Animal Agriculture Award.

## New Book

### UNCLE SAM KNOWS — AND PRINTS — THE ANSWERS

Is limburger cheese losing popularity? Do more married than single women work?

Is the Gulf Coast of the U.S. longer than the Pacific Coast?

"Yes" is the answer to all of these questions and these, and many other answers, are found in the seventy-eighth edition of Uncle Sam's publication, Statistical Abstract. Last year's edition of this publication sold out the first printing soon after publication; and a second printing also sold out.

The 1957 edition of Statistical Abstract of the U.S. may be bought for \$3.50 per copy from U.S. Government Printing Office, Washington; or field offices of the Department of Commerce.

**FIRST** in Speed

**FIRST** in Service

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For your  
**COTTON  
LOANS**



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**NATIONAL BANK  
IN DALLAS**

MEMBER FEDERAL DEPOSIT INSURANCE CORPORATION

Since 1875 . . . the Cotton Man's Bank

## as viewed from The "PRESS" Box

### • \$418 Million Loss

LOSS on cotton handled by Commodity Credit Corporation amounted to \$418 million during the fiscal year ended June 30, 1957. Most of this was on the 7,900,000 bales of lint delivered for export. Total CCC losses on price support operations during the year were \$1,300,000,000.

### • More for Matches

BOOK MATCHES WILL COST MORE after Jan. 1, 1958. Many ginners use these for advertising and to help prevent gin fires. Ginners should consult their supplier to see whether it will save money to buy next season's needs before 1957 ends.

### • Record World Trade

WORLD TRADE IN FATS during calendar 1957 will be at a new record high, USDA says. Expanded exports of indus-

trial oils and palm oils account for the gain over 1956. A slight drop in trade is indicated for edible vegetable oils, animal fats and marine oils. U.S. vegetable oil exports have been running 40 percent below the levels of 1956.

### • Exports, 23-Year High

COTTON EXPORTS are now estimated at 7,900,000 bales in 1956-57, highest in 23 years. USDA says this compares with 2,300,000 in 1955-56; but that 1957-58 volume may drop by 2,500,000 bales from last season's level.

### • Watch Those Bales

TWELVE OUT OF 100 BALES of cotton in a recent shipment were contaminated with metal, L. T. Murray, Texas Cotton Association, reports. Included in the bales were broken buckles, small pieces of ties and heavy wire. Ed Bush, Texas Cotton Ginners' Association, has urged his members to take extra care to

prevent contamination. The same warning applies everywhere—farmers and ginners need to do everything possible to avoid anything that hurts cotton's reputation.

### • Stay Out of Wet Fields

TAKE GINNERS clean, loose, dry cotton and they will turn out grades that will bring the most money possible, C. B. Spencer, chairman of the cotton production committee, Statewide Cotton Committee of Texas, points out in a recent release. Sent to publications, radio and TV and others in the Blacklands, the article pointed out Blackland cotton quality was good before recent rains; but rainfall and improper harvesting can change the picture. "Keep harvest hands out of wet fields," says Spencer.

### • High-Fat Pellets

HIGH-FAT FEEDS for broilers are being announced by a number of leading formula feed manufacturers. Ralston Purina Co. is making a pellet containing eight percent fat, and other firms are using 12 to 14 percent fat in pellets. The development has been called "the most significant in many, many years."

### • Seek Import Quotas

IMPORTS QUOTAS for woolen cloth are being asked by the Northern Textile Association. Spokesmen say 25 percent ad valorem tariffs are not enough to give protection against English, French and Japanese imports.

### Ginnings to Sept. 16

Number of bales of cotton ginned from the 1957 crop prior to Sept. 16, and comparative statistics to the corresponding date in 1956 and 1955, as reported by the Bureau of Census follow:

State	Ginnings (Running bales—linters not included)		
	1957	1956	1955
United States	**1,611,793	**3,253,885	**2,797,813
Alabama	209,125	236,105	299,930
Arizona	30,835	55,015	26,517
Arkansas	29,974	254,855	163,969
California	13,184	22,412	7,284
Florida	5,440	6,055	12,381
Georgia	227,598	273,634	280,895
Louisiana	56,244	229,171	137,024
Mississippi	180,445	475,433	359,358
Missouri	1,354	80,361	34,000
New Mexico	230	3,646	650
North Carolina	25,404	41,000	28,933
Oklahoma	518	27,696	22,307
South Carolina	138,551	188,987	179,064
Tennessee	11,554	101,503	23,298
Texas	681,221	1,256,771	1,222,195
All Other States	206	1,241	8

\*The 1957 figures include estimates made for cotton gins for which reports were not obtained in time for use in the preparation of this report. Figures on cotton ginnings prior to Sept. 16 were collected by mail and reports were not received for all cotton gins at which cotton had been ginned.

\*\*Includes 230,756 bales of the crop of 1957 ginned prior to Aug. 1 which were counted in the supply for the season of 1956-1957, compared with 404,845 and 313,958 bales of the crops of 1956 and 1955.

The statistics in this report include 559 bales of American-Egyptian for 1957, 378 for 1956, and 67 for 1955.

The statistics for 1957 in this report are subject to revision when checked against the individual returns of the ginners being transmitted by mail. The revised total of cotton ginned this season prior to Sept. 1 is 974,312 bales.

### CONSUMPTION, STOCKS, IMPORTS, EXPORTS

Cotton consumed during the month of August, 1957, amounted to 646,549 bales. Cotton on hand in consuming establishments on Aug. 31, 1957, was 998,641 bales and in public storage and at compresses 9,326,845 bales. The number of active consuming cotton spindles for the month was 18,079,000. The total imports for the month of June, 1957, were 3,607 bales and the exports of domestic cotton, excluding linters, for July, 1957, were 607 bales.



Note the hot air on the cleaners is blown through the cotton by a series of nozzles (similar to the air blast nozzles on a gin stand), forcing the dirt, leaf trash and stems through the screens. Cleaners made in any number of cylinders to meet local conditions.

### STACY Cotton Drying, Cleaning and Extracting System

By actual laboratory test Stacy Spider Arm Cleaner Cylinders expel more motes, trash and stems than any other type of cleaner using wire-mesh screen.

During the past year many Stacy Cleaners have been equipped with Grid Bars instead of screens with amazing results. In examining the trash we found full cotton leaves, and practically all of the stems, sticks and trash were removed, most of which could not possibly have passed through a wire-mesh screen.

These Grid Bars are available for all Stacy Cleaners now in the field. The more leaf trash left in the cotton entering the gin stands, the greater the loss of lint at the lint cleaners, as the cotton fibres adhere to each particle of trash and is thrown off.

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**The STACY COMPANY, Inc.**  
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Closed view of our eight cylinder cleaner and drier.



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WOLFE CITY, TEXAS

## At Conference

# Land Forming, Weed Control Stressed

■ LOUISIANA host to Beltwide mechanization meeting, Oct. 2-4, with top authorities on program.

SHREVEPORT, OCT. 4

Attention has centered on ways to expand markets, land forming and better methods to control weeds at the eleventh Beltwide Cotton Mechanization Conference which ended here this afternoon. Sessions began Oct. 2 at the Washington-Youree Hotel and moved Oct. 3 to the Red River Valley Experiment Station for a demonstration.

The Conference is sponsored, as in the previous 10 years, by the National Cotton Council and cooperating organizations. These include land-grant colleges, the farm equipment industry, USDA and others. The Cotton Gin and Oil Mill Press listed the complete program on Sept. 21, and will publish the entire pro-

## Proceedings To Meet Readers' Need

The Cotton Gin and Oil Mill Press on Oct. 19 will publish the proceedings of the 1957 Mechanization Conference. The National Cotton Council will reprint and distribute copies to those attending and others interested. That this service meets a need among ginners and other readers of The Press is indicated by the following letter from Bill Motley, Motley Gin Co., Hollis, Okla.:

"I am most interested, as a farmer and ginner, in topics to be discussed at the Mechanization Conference. I feel that most farmers are more acutely aware that today there is more to agriculture than just planting a seed and leaving the rest to Mother Nature and her court of 'ifs.' We cannot attend all of these meetings, but how profitable it would be to have the thesis of these men's research to study, assimilate to our present techniques and discuss."

ceedings, which the Council will later distribute, in the Oct. 19 issue of The Press.

"Realistic optimism" as to cotton's future was expressed by Ed Lipscomb, Council director of sales promotion and public relations, in a banquet address Thursday evening.

Lipscomb pointed out major gains that have been made in cotton merchandising through promotional efforts at home and abroad, emphasizing that this has been accomplished on a promotion budget roughly "one-half of one percent as large as that of our foremost manufacturer of automobiles."

Sessions opened with a broad review of the possibilities of expanding markets as outlined in papers by Lamar Fleming, Jr., Anderson, Clayton & Co. board chair-

man; Dr. Coyt T. Wilson, Alabama Experiment Station; and R. S. Stevenson, president, Allis-Chalmers Manufacturing Co.

Conferees then went into more specific discussion of production problems, including engineering, weed control, land forming, supplemental irrigation, mechanical harvesting, storing and ginning machine-picked cotton and other topics.

Conference sponsors estimate that more than 500 research leaders, agricultural workers and press representatives and cotton producers attended the Shreveport sessions and demonstration at the Experiment Station.

Shreveport Chamber of Commerce agricultural committee and Bossier Home Demonstration Council were hosts at lunch Thursday. Many committees of specialists held their meetings while in attendance at the Conference.

The 1958 Beltwide Conference will be held Aug. 14-15 at Brownsville, Texas, with sessions in the Memorial Center, it was announced at the conclusion of the current meeting.

## • Cotton Stocks Will Continue Decline

CONTINUED DECLINE in U.S. cotton stocks during 1957-58 is forecast by USDA.

The Department reports that the supply is about 23,900,000 bales, 3,700,000 smaller than a year ago. Current supply consists of 11,300,000 bales in the carryover and the indicated crop of 12,600,000 bales.

Cotton disappearance is forecast at 14 million bales, two million less than last season because of reduced exports.

Carryover next Aug. 1 is expected to be under 10 million bales.

## Farm Brings \$2,500,000

Sherman Thomas, Madera, Calif., has bought the 20,000-acre Murieta Farms near Mendota for \$2,500,000. The late B. W. Giffen owned the property, which raises cotton and other crops. Robert Bruce will be manager.

## Gin Explosion Injures Three Men in Texas

Three men were injured in an explosion Sept. 30, at the Sterrett Gin at Waxahachie, Texas. Manager Ed M. Batte of Ferris and E. A. Shaw of Red Oak were severely burned and W. E. Patterson of Ferris suffered a broken ankle.

The blast, which occurred as the men tried to light a fire under the gin boiler, was believed to have been caused by a gas leak, it was reported.



## Herman Named President

ODELL HERMAN has been elected president of the Lubbock Bag Company of Lubbock, Texas. He succeeds the late M. R. Quarles, who passed away several weeks ago, and who formerly headed the company. Herman, who has been associated with the organization for several years, will continue to serve his trade as formerly.

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Clemson News Bureau Photo

## Clemson Ginning Engineering Classes Start

CLEMSON COLLEGE has started its graduate ginning engineering program, which was featured in an article recently in *The Press*. Photo on left shows advisory committee members who met there recently. Left to right are J. C. Oglesbee, Jr., USDA Extension Service; Rex Colwick, State College, Miss.; A. W. Fisher, Cannon Mills, Kannapolis, N.C.; D. D. Day, The Murray Co., Dallas; and Ray Provost, Producers Cotton Oil Co., Fresno, Calif. Absent when picture was taken were C. M. Merkel, U.S. Cotton Ginning Laboratory, Leland, Miss., and Vernon P. Moore, National Cotton Council, Memphis. Students taking the course, in photo on right, are: Left to right: David W. Chandler, Little Rock, Ark.; James K. Merck, Bishopville, S.C.; William P. Gladden (kneeling), Richburg, S.C.; James A. Mullins, Jackson, Tenn.; Sidney A. Nunnery, Clemson, S.C.; Zachary A. Henry (kneeling), Camilla, Ga.; and Dan M. McGill, Anderson, S.C.

## • Margarine Symposium Meets in Chicago

DIET, especially its fat content, and atherosclerosis (heart disease) cannot be associated on the basis of scientific evidence to date, Dr. Horace L. Sipple, executive secretary, The Nutrition Foundation, New York, told the fourth annual

Margarine Research Symposium Sept. 27 in Chicago.

To promote more rapid development of basic information concerning fat metabolism, he disclosed, The Nutrition Foundation is supporting a special program of intensive research in this area.

"Until the facts are much more convincing, it seems unwise for any person or group to make sweeping recommendations as to the modifications of dietary habits," Dr. Paul L. Day, University of Arkansas School of Medicine, Little Rock, told the margarine research directors.

Experiments in progress indicate that margarine fats do not contribute to hardening of the arteries, high blood pressure, and coronary heart disease, reported Dr. Roslyn B. Alfin-Slater, University of Southern California's School of Medicine, Los Angeles.

On the contrary, she reported, margarine is safe, completely digestible and of full nutritional value.

"Criticisms of hydrogenated margarine fats because of their supposedly high saturated fatty acid content have been shown to be unfounded," Dr. Alfin-Slater said. "The results of our study give positive evidence for the dietary safety of selectively hydrogenated fats, such as are used in margarine."

Symposium Chairman Charles H. Struble, of the Miami Margarine Co., Cincinnati, concluded that "In our industry we are fortunate in that we have been able to adjust the formulation of our product (margarine) not only to meet the more discriminating tastes of the consumer but also to give our customer the benefit of each new, proven

discovery in the field of nutrition. This is our goal."

The margarine research symposium is sponsored annually by the research committee of the National Association of Margarine Manufacturers.

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## ACE GIN BLOWER

To prove that the ACE Gin Blower

Cleans faster and better  
Reduces fire hazards  
Prevents overheating  
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**FIRE**  
*you  
can't  
afford  
it!*

**National  
Fire Prevention  
Week  
Oct. 6-12**



## • Wise Use of Water Pays Off in Crops

Joe Whitlow, operating a 50-acre farm near Lamesa, Texas, developed a bale-per-acre cotton crop last year, with an irrigation well that provides only 75 gallons of water per minute. And he had one of the best looking 1957 cotton crops in Dawson County.

Last year Whitlow produced 24 bales of cotton on 23.5 acres of land. His 25-acre grain sorghum yielded 1,600 pounds per acre. Neighboring farmers produced practically no grain sorghum on dryland.

The good crop yields were obtained through efficient use of irrigation water and application of soil improvement practices.

Whitlow, who operates a battery and electric service shop in Lamesa, purchased his farm in April, 1955, at which time it was a dryland operation.

His cotton crop last year was produced without using commercial fertilizer and he reported that the cotton graded Strict Middling and sold for 35 cents per pound.

County Agent Lee Roy Colgan reports that Whitlow makes a close study of his farming problems.

"For example, he noticed angular leaf spot on his cotton and inquired about the disease," Colgan said. "Then he read everything available on leaf spot symptoms, damage and control."

As a result of his intense study of farming, Whitlow has become something of an authority.

### Lilly Dache Displays Cottons to Royalty

Lilly Dache, internationally known for high fashion creations, including millinery and cosmetics, recently returned from a tour of the Orient, where she displayed her travel wardrobe, at a "command performance," for the wife of a reigning monarch.

Her entire wardrobe, planned for airplane weight, as well as hot weather, featured simple inexpensive cotton and dacron dresses, for the most part sheathes, sleeveless or short-sleeves, easy to wear and launder, in light summer colors.

The royal hostess and the ladies who surrounded her at the showing were magnificently dressed in their colorful native regalia. They were extremely polite and admired everything but it was plain to see they were disappointed.

However, when Dache explained that cottons and combinations of laboratory-made fabrics are American women's summer fashion mainstays, they grew interested and begged her to send them some yardage of these inexpensive materials. Upon returning to New York she made it her first project to select and send 10-yard lengths of the freshest, prettiest summer dress goods to the Asiatic capital to emphasize how simply, yet charmingly, women can dress at low cost yet in high style with cotton.

## New Bulletin

### MEAT REFERENCE BOOK MADE AVAILABLE

A handbook for the livestock and meat industry has been issued by the American Meat Institute. The "Meat Reference Book" contains statistical tables, charts and information about the history and development of the meat industry in the U.S.

Articles on meat's place in nutrition and on the future of frozen meats are of general interest; also there is information on the technology of the industry and on wholesale and retail meat cuts.

Single copies are available without charge through the American Meat Institute, 59 East Van Buren St., Chicago 5, Ill.

## "Cotton Is Coquettish" Milliner Believes

Cotton is coquettish, wool is sporty and silk is sexy, according to Mr. John, noted milliner, and he believes women ought to wear fabrics according to this classification.

"Cotton is flirtatious," he says.

"It's for girls who want to stand under magnolia trees pretending they're Scarlet O'Hara."

## Lake, Cottraux Appointed

NCPA President Dupuy Bateman, Jr., has named R. H. Lake on the New York arbitration committee and S. P. Cottraux on the Atlanta committee.

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dollars on readers who  
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# Classified Advertising

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## Oil Mill Equipment for Sale

**FOR SALE**—Filter presses, screening tanks, single and twin motor Anderson Super Duo expellers, 141-saw linters, baling presses, car unloader, Bauer #199 seed cleaners, Bauer #153 and 403 separating units, bar and disc hullers, 72" and 85" stack cookers, 72" 4-hi stack cookers for French expellers with enclosed drive, 42" and 60" rolls, boilers, hydraulic press room equipment.—V. A. Lessor & Co., P. O. Box 108, Fort Worth, Texas.

**INSPECTIONS and appraisal.** Dismantle and installation.—Oscar V. Shultz, Industrial Engineering, Phone Butler 9-2172, P. O. Box 357, Grapevine, Texas.

**FOR SALE**—Anderson Super Duo expellers. Filter presses, 72" and 85" cookers. Butters milling machine. Carver 176-saw Tru-line Gummer. Double box linter press. Attrition mills. Single drum hull beater. 20" to 70" fans. Motors: 75 h.p. and under.—Sproles & Cook Machinery Co., 159 Howell St., Telephone RI7-5958, Dallas, Texas.

**FOR SALE**—Attrition mills, Sprout-Waldron 20 h.p., other 30 h.p., direct connected.—A. L. Luyat, Box 178, 22nd St., St. Petersburg 3, Fla. Phone 55-0922.

**OIL MILL EQUIPMENT FOR SALE**—Rebuilt twin motor Anderson high speed expellers, French screw presses, stack cookers, meal coolers, fourteen inch conditioners, filter presses, oil screening tanks, complete modern preprocessing or single press expeller mills.—Pittcock & Associates, Glen Riddle, Pa.

## Gin Equipment for Sale

**FOR SALE**—Complete cotton gin plants. Second hand and reconditioned gin machinery.—Sam Clements Company, Inc., Phones REgent 5-3656 and REgent 5-3764, West Memphis, Ark.

## ELECTRIC MOTOR SALE!

Rebuilt and New Ball Bearing Motors  
3/60/220-440/2300 Volts

H.P.	Type	Speed	Price
300	Slipring	900	\$3500
200	Slipring	900	New 4221
200	Slipring	720	2365
150	Slipring	900	New 2940
150	Slipring	900	1566
200	Sq. Cage	900	1481
150	Sq. Cage	900	1188
100	Slipring	1200	1076
100	Slipring	900	1189
100	Sq. Cage	1200	758
100	Sq. Cage	900	879
75	Sq. Cage	1800	490
75	Slipring	1200	889
75	Slipring	900	991
75	Sq. Cage	1200	New 564
60	Sq. Cage	1800	356
50	Sq. Cage	1800	290

All Sizes and Types Motors Up to 800 H.P. in Stock. LOAN MOTORS AVAILABLE AT NO CHARGE.

Wholesale and Retail Distributors of  
DELCO — GENERAL ELECTRIC — AEC

**W. M. SMITH  
ELECTRIC COMPANY**

DALLAS  
Hamilton 8-4606  
LUBBOCK  
Porter 5-4348

FORT WORTH  
Edison 6-2372  
HARLINGEN  
Garfield 3-6587

**FOR SALE**—Complete 4-80 saw air blast Model C gins, all-steel up-packing paragon press, E.J. tramper, triplex pump base tank and cover, all Continental Press alone worth the price of the outfit—\$7,500.—James C. Mann, phone 2267, Covington, Ga.

## End Gin Trash Disposal Problems with a Wilco Burner!

Special Model for Lint Carrier Trash.

**WILCO MACHINE WORKS, INC.**  
MUNICIPAL AIRPORT • MEMPHIS, TENN.  
P. O. BOX 3722 • WHITEHALL 8-4555

**FOR SALE**—Several choice buys in West Texas gins.—M. M. Phillips, Phone TE 5-8555, Box 7885, Corpus Christi, Texas.

**SPECIAL BARGAINS**—All-steel double box up-packing Hardwicke-Etter press. One 15' 9" rotor lift, like new. Late model 4-90 Mitchell conveyor distributor. Steel cleaners: 6-cylinder Stacy, 7-cylinder 50" Hardwicke-Etter V-belt driven, 4-cylinder Continental, two Mitchell Jembs and 8' Lummus 4-cylinder after cleaner. Five Murray saw type lint cleaners. Mitchell convertible and Super units in 60" and 66" lengths. Practically new 60" Lummus steel down draft condenser. Two trough Continental and Murray Big Reel driers. New tower driers in any size. 10' and 14' Lummus steel bur machines. Late model fully enclosed medium stroke Murray steel tramper. 48" type M and type C Lummus, 50" and 70" Hardwicke-Etter and two 52" Murray VS steel separators. One Hardwicke-Etter Hi-Duty 4-plunger hydraulic press pump mounted on steel fluid tank with automatic lubrication, safety valves, and back gear driven with V-drive to 15 h.p. electric motor, all like new. New and used single and double fans, belting, conveyor trough and a general line of transmission equipment. For your largest, oldest and most reliable source of used and reconditioned gin machinery, contact us. Call us regarding any machinery or complete gin plants which you have for sale or trade.—R. B. Strickland & Co., 13-A Hackberry St., Phones: Day PL-2-8141, Night: PL-3-7929, Waco, Texas.

**FOR SALE**—One complete 5-80 Lummus automatic gin, very good condition, with 18' tower drier, electric power. Will sell all or separate. Reasonable. Selling due to health.—Kollaja Gin Co., Box 273, Ganado, Texas.

## Equipment Wanted

**WANTED**—Complete cotton gin plants and used gin machinery.—Sam Clements Company, Inc., West Memphis, Arkansas.

**WANTED**—Delinting machinery, if possible complete plant with condensers, flue system, intake and discharge chutes, piping, tru-line gummer, cleaning machinery, etc. Delivery October or if still in operation, February after seasonal work. State lowest price, year of make, mechanical condition, etc.—Box BV, The Cotton Gin and Oil Mill Press, P. O. Box 7985, Dallas 26, Texas.

## Personnel Ads

**WANTED**—Year-around sober ginner, must be under thirty-five years, able to work men, use welding machine, some mechanical ability, be able to manage the business in one year.—Box E.J.S., The Cotton Gin and Oil Mill Press, P. O. Box 7985, Dallas 26, Texas.

**POSITION WANTED**—25 years experience in gin work, operator or manager. Considered sober. Can furnish references. 48 years of age. West Texas preferred.—Henry Wothman, 302 South Temple Street, Caldwell, Texas.

## Power Units and Miscellaneous

**FOR THE LARGEST STOCK** of good, clean used gas or diesel engines in Texas, always see Stewart & Stevenson Services first. Contact your nearest branch.

**SEE US** for good used re-built engines, MM parts, belt lace, and Seal-Skin belt dressing.—Fort Worth Machinery Company, (Rear) 918 East Berry Street, Fort Worth, Texas.

## • Australia Planning Cotton Expansion

AUSTRALIA is making plans for considerable expansion of its cotton industry, according to the August issue of USDA's Foreign Agriculture.

"The Australian industry, however, is not altogether satisfied with the quality of local cotton. Spinners have no choice as to types; they must take what is available. And even if the quality were satisfactory, the quality would be far from sufficient. In the last few years, production has averaged about 3,000 bales annually," the article stated.

Australia imports between 80,000 and 90,000 bales a year, about 40 to 60 percent from the U.S. Local cotton supplies about five percent of the mill requirements.

Australia has only about 11 cotton mills, although cotton production dates back to the 1860's. To date not much progress has been made, but future cotton expansion will depend on the level set for price supports after the present program ends in December, 1958.

Recently, private U.S. interests have purchased a million acres near Darwin, where they plan to raise cattle and rice and also to experiment with cotton. This could open a vast new area to cotton production.

■ **County Line Cooperative Gin, Abernathy, Texas,** will be served by the following new officers and directors: J. H. HOWARD, president; G. W. BLACKMON, vice-president; EARL HORNE, secretary-treasurer; F. C. BISHOP and H. MYATT. Manager is MATHEW GOODRICH.

## USED GIN EQUIPMENT BARGAINS

14' Murray Burr Machine	\$4,000.00
7 Cylinder Incline Cleaner—Murray	1,500.00
72" Continental Separator	650.00
52 1/2" Murray Separator, less vacuum	350.00
30" Murray Multi-blade Fan, C.I.	185.00
30" Continental Multi-blade Fan, C.I.	185.00
30" Claridge S. B. Fan, C.I.	160.00
30" Continental S. B. Fan, C.I.	160.00
D 35" Murray Fan, C.I., 8 blade	500.00
45" Continental Fan, Multi-blade C.I.	310.00
Continental Vertical Press Pump	850.00
1M Mitchell Burner	240.00
2-M Mitchell Burner	680.00
#30 Vaporizer	230.00

## POWER UNITS

25 h.p. 3 ph. 220/440 RPM	
Westinghouse	\$ 275.00
10 h.p. 3 ph. 190 RPM	
Gear Head Motor	350.00
5 h.p. 3 ph. 220/440 1725 RPM	
Baldor	85.00
1 h.p. 3 ph. 1720 RPM	
General Electric	45.00
1 h.p. 3 ph. 220/440 Volt	
Wagner 1750 RPM	45.00
3/4 h.p. 1 ph. Marathon	25.50
1/2 h.p. 3 ph. Peerless 1750 RPM	
220/440	19.90
671 GMC, 130 h.p.	1,850.00
RX1—100 h.p. Le Roi	900.00
5 h.p. International	85.00
Le Roi RX1SV 300 h.p. Engine	5,000.00

**WONDER STATE MFG. CO.**  
Paragould, Ark.



## Instruments Help Ginner Get His Customers More Money

"WHAT HELPS the cotton grower also helps the ginner," says D. C. Newsom, D. C. Newsom Gin Co., Plains, Texas. He and his son, D. C., Jr., on the right, are shown with the Micronaire and Exact Weight Scales which they use to measure fiber quality and get more for cotton. They also use instruments to help farmers determine fertilizer needs. Newsom, Senior, is a veteran of 39 years in ginning, and believes in using the best of equipment and providing the best possible service. "We hope this information will remind other ginnermen that they have got to help the farmer to stay in business," he comments.

### From Our Washington Bureau

(Continued from Page 12)

emerged from the fracas over corn last session will be even more at odds. It will still be Democrats versus Republicans. But in addition, Northern Democrats versus Southern Democrats. It indicates a widening rather than a healing of the breach that thwarted new legislation during the first session of this Congress.

It is worth noting sharp word exchanges between Eisenhower and Georgia Senator Richard Russell. Russell is acknowledged as the sparkplug of cotton forces on the Hill.

Such conflicts among makers of farm laws are a far cry from the ingredients called for in any recipe for legislative changes—specifically, a solid Democratic front plus enough help from Republicans to over-ride an almost certain veto of anything not to Benson's liking.

• '57 Cotton Crop—Cotton Branch officials think final tally on takeover of '57 crop cotton will be about the same as a year earlier . . . despite slow early movement of the crop under loan.

Loan-taking as of latest report was running only one-third of a year ago. This is only temporary and is showing signs of picking up. But, even if total placed under loan continues to lag behind a year ago, redemptions will be down also . . . leaving a final takeover of near four million bales.

USDA cotton experts are hesitant to suggest that the decline in government

holdings last season and the prospects for another decline this season are indicative of a trend leading to substantial reduction of surplus to levels needed for working reserve. Rather it's admitted privately that odds favor bigger rather than smaller surpluses.

Here's their reasoning: Production trend is upward . . . despite acreage curbs. And further increases—near two million bales—are expected when acreage reserve is dropped. Export demand, on the other hand, appears to be stabilizing at near five million bales. Trend of domestic consumption is edging downward, a little each year. Upshot is that U.S. production in excess of combined U.S. consumption and exports seems more probable than the reverse.

USDA's decision—due any day now—

on almost unanimous request of rice growers and industry that Benson use his authority to initiate a certificate plan for rice is awaited as a tip-off to any official change of heart toward such programs. Practically no one thinks the answer will be anything other than "no."

A spot check of top USDA economic advisers reveals that Benson's main fear of a two-price plan for rice is that it would set a precedent, that it would pave the way for wheat and cotton groups to get the same thing.

## • Farmers Eat Better Than City Folks

FARMERS EAT BETTER than city people, a USDA study indicates. Vitamins A and C are the only essentials in which city diets rate better.

Both groups of families used about the same number of fruits and vegetables but city families ate more dark green and deep yellow vegetables for Vitamin A and more citrus fruits for Vitamin C.

The energy value of farm diets was higher, containing larger quantities of dairy products, grains, fats, oils and sugars. Dairy products also were responsible for the higher content of calcium, protein and riboflavin in farm diets.

Larger quantities of grain products in farm diets help to raise their levels of iron, protein and the B vitamins—riboflavin, thiamin and niacin.

## E. T. Walrond, Jr. Named As Sales Manager

E. T. Walrond, Jr., has been named District Sales Manager, for the Birmingham District, Gin Machinery, Continental Gin Co., effective Oct. 1. He had been assistant District Sales Manager, and succeeds the late D. P. Griswold.

Horace B. Barker has been named as assistant District Sales Manager for the Birmingham District, also effective Oct. 1. In the past he had served in the capacity of District Engineer.

■ OTIS HARMON has been elected president of the Tulia, Texas, Cooperative Gin, and he will be assisted by NELSON BORCHARDT, vice-president; CARROL GUNTER, secretary; H. T. COPELAND and FRED COMBEST. EARL MITCHELL is manager.

■ W. M. McANALLY, PATRICK CRAWFORD, EDWARD W. COOK and ROBERT J. HUSSEY were cotton group committee heads in Memphis' United Fund Campaign.

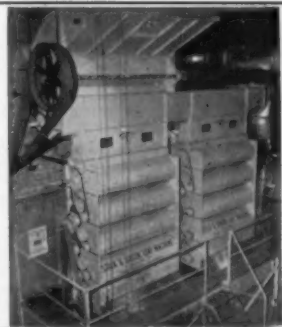
## Stick and Green Leaf Machines

U. S. D. A. Designed

These machines are relatively inexpensive, require very little horsepower, and are trouble-free in operation. Ask a ginner who is running them about his sample.

**HINCKLEY GIN SUPPLY CO.**

4008 Commerce St., Dallas, Texas





## • Agricultural Needs By 1975 Cited

AN INCREASE of approximately one-third in total agricultural production by 1957 from the 1951-53 level, has been estimated by USDA.

These are not forecasts but estimates made after making certain basic assumptions relative to the most likely over-all national situation between now and 1975. One of these is that the population of the U.S. will continue to increase, barring war. The second is that it will take increasing quantities of food for this growing population. Thus, agriculture will continue to be a growing industry from the standpoint of output.

According to these estimates, cotton will be expected to show a 13 percent increase by 1975, over the 1951-53 level. Oil crops, including soybeans, should rise 66 percent; peanuts up two percent, and flaxseed up eight percent, while sorghum grain for feed is expected to increase 105 percent. Wheat and rice for food grains are expected to show a nine and eight percent drop, respectively.

## Heads Classing Office

Roy W. Gilreath, who has been classing cotton for the USDA since 1949, is in charge of the cotton classing office in Lamesa which opened Sept. 30. A Texas A&M graduate, he comes to Lamesa from Lubbock where he was assistant chief of the cotton classing office.

## Ginner's Quitting, Too Much Law

Ginner Jack H. Jamison, owner of Jamison Gin in Wichita Falls, Texas, says he's quitting "because I've been legislated out of business."

The Associated Press says that the gin machinery at Jamison's plant, which was started by his father about 47 years ago, is worth around \$125,000. And he's quoted as hoping that farmers can charter a cooperative to take the place over.

"There has been some talk about it, but I'm not hopeful," he said.

"I turned a small profit last year, but I just don't think the ginning business has any future for an individual owner," Jamison said.

Jamison blamed the Soil Bank program and the reduction of acreage for his dwindling profits.

"More than 260 cotton farmers were in business in Wichita County when the cotton acreage allotments went into effect under President Roosevelt. The program reduced the number to fewer than 100 and most of them can't plant more than 10 acres.

"Only two cotton farmers in the county are making money. One of them owns a big place and the other farms five small places.

"I won't take any Fifth Amendment if they call me before a congressional committee," Jamison said.

## Film of Cotton Council Enjoys Popularity

"One Third of Your Life," a film produced by the National Cotton Council, is still going strong, according to reports by the Los Angeles City Board of Education.

The film, which promotes sheets and bedding, was shown 771 times, to 78,910 Los Angeles school children, by June 30.

Currently the Council is booking 20 different films for its library, with seven having been completed thus far.

An estimated audience of 15,041,400 persons have seen a total of 318 showings of Council films during the first six months of 1957.

## Revised Leaflet


### COTTON PRODUCTION AND MARKETING DESCRIBED

How cotton is produced and marketed, from the field through the manufacturing process, is described in a newly-revised leaflet, "Facts About Cotton," issued by USDA.

This publication includes illustrations showing cotton planting, cultivating, picking, transporting, classifying, and storing, and the process of converting cotton into yarn.

Non-technical information is given on cotton production, cotton marketing, cotton manufacturing, and cottonseed.

Single copies of Leaflet No. 167 may be obtained free from the Office of Information, USDA, Washington 25.



**KEEP YOUR GIN YARD FULL!**

Use BELTON SUPERIOR BAGGING  
and they'll KEEP COMING BACK!

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Open weave Jute Bagging  
Pretested for uniform strength  
Makes cleaner, stronger bales

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**BELTON BAGGING CO.**  
Belton, South Carolina

**HAVING TROUBLE WITH  
GIN COMPRESSED BALES?**



Many gins receive complaints on the quality of their gin-compressed bales. "They are broken... below density... over-tared." This is entirely due to the low moisture content of the cotton and is not the fault of the press. Abnormally dry cotton (below 4% moisture) is so spongy and springy that when compressed to standard density, the usual number of ties will not hold the bale. Unless ginner puts more ties on or less cotton in the bale, the ties often break.

**Just What Can You Do About It?**

Use the approved method of moisture restoration developed and recommended by the Stoneville Ginning Laboratory. With a Statifier at the lint slide restoring 6 to 8 pounds of moisture per bale, you can consistently turn out neat, full-weight bales. Write today for detailed information about the Statifier units with the new, completely dependable "Magic Wand" control.



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## Mayer Returning to Fresno, Executive Vice-President

James B. Mayer, vice-president of Producers Cotton Oil Co. with headquarters in Phoenix, will return to Fresno on Feb. 1 to become executive vice-president.

Mayer will be in charge of San Joaquin Valley operations and in addition



JAMES B. MAYER

will continue to supervise the managers of the Arizona, Imperial Valley and Mexico offices.

Mayer was elected Sept. 24 at the annual meeting of stockholders and directors in Fresno.

President Harry S. Baker announced Mayer's promotion as well as the reelection of other officers and directors. In addition to Baker as president and Mayer as executive vice-president, the officers are: J. E. O'Neill, senior vice-president; W. D. Griffin, vice-president; Ray Provost, vice-president; A. T. Mann, secretary-treasurer, and George Kramer, assistant secretary-treasurer.

Directors are: R. M. Blankenbeckler, J. H. Cardwell, Dwight L. Clarke, J. S. Morshead, R. E. Paehlig, H. L. Pomeroy, L. C. Unger, Baker and O'Neill.

## Arizona Research Center Host at Field Day

The first field day at the Cotton Research Center of University of Arizona, was held Oct. 4, with farmers, businessmen and others interested in Arizona's multi-million dollar cotton industry on hand.

At the 280-acre center those attending saw and heard about the new varieties and improved growing methods now being developed to further increase the value of this crop. A tour of the center included visits to the fiber analysis and ginning laboratories. Progress was reported on plant breeding, insect control, weed control, and irrigation.

Participating in the program were Dr. Buck Pressley, University plant breeder; Dr. Billy Waddle, USDA plant breeder; Fred Arle, USDA weed control expert; Leonard Erie, irrigation specialist; William Kauffman, federal entomologist; Harold Reynolds, nematologist with the USDA, and Lester Blank, USDA plant pathologist.

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## CONTENTS

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(NOTE: Generally, cottonseed oil mill listings in the United States show officers, addresses, equipment and rail location. Many of the other vegetable oil mill listings in the United States, Canada and Latin America also give this information.)

**Price \$10**

(\$12.00 outside of U.S.A.)

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## Seed-O-Meter for Gins

A new device for continuous automatic weighing of cottonseed. Cost and installation is much less than the cost of installation alone on the old hopper-type scale.

- Records every five seconds • Records by the second, the bale, the season—or all three • Takes the guesswork out of splitting bales • No stops, no delays, no labor • No seeds get by without being weighed and recorded • Economical, Dependable and Accurate.

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Empire cotton produced the all-time highest acre yield ever recorded in Georgia in 1956 4-H Cotton Contest with official yield of 4,147 pounds per acre.

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CALENDAR							
Conventions		Meetings		Events			
12	13	14	15	16	17	18	

• Dec. 7 — Tri-States Oil Mill Superintendents' Association regional meeting. Memphis. W. E. Hassler, Buckeye Cellulose Corp., Memphis, chairman.

• Dec. 12-13 — Beltwide Cotton Production Conference. Peabody Hotel, Memphis. For information, write National Cotton Council, P. O. Box 9905, Memphis.

1958

• Jan. 13-14—National Cotton Council annual meeting. Westward Ho Hotel, Phoenix, Ariz. For information, write Council headquarters, P.O. Box 9905, Memphis.

• Jan. 21—Cooperative Ginners' Association of Oklahoma annual convention. American Legion Building, Hobart. Mrs. Lucile Millwee, P. O. Box 631, Carnegie, secretary-treasurer.

• Feb. 3-4—Cottonseed Processing Clinic. Southern Regional Laboratory, New Orleans. Sponsored by USDA and Valley Oilseed Processors' Association. C. E. Garner, 416 Exchange Building, Memphis, Association secretary.

• Feb. 10-11—Annual joint convention, Texas Cooperative Ginners' Association, Texas Federation of Cooperatives and Houston Bank for Cooperatives. Baker Hotel, Dallas. For information, write Bruno E. Schroeder, 307 Nash Building, Austin.

• Feb. 10-11 — Southeastern Gin Suppliers' Exhibit. Biltmore Hotel, Atlanta. For exhibit information, write Tom Murray, 714 Henry Grady Building, Atlanta. Concurrent with joint meeting of Alabama-Florida, Carolinas and Georgia Cotton Ginners' Associations.

• Feb. 10-11 — Joint convention, Alabama-Florida, Carolinas and Georgia Cotton Ginners' Associations. Biltmore Hotel, Atlanta. Tom Murray, 714 Henry Grady Building, Atlanta, executive vice-president, Alabama-Florida and Georgia Associations. E. O. McMahan, Bennettsville, S.C., executive secretary, Carolinas Ginners' Association. Meeting concurrent with Southeastern Gin Suppliers' Exhibit.

• Feb. 12-14—Cotton Research Clinic. Pinehurst, N.C. For information, write the National Cotton Council, P. O. Box 9905, Memphis 12.

• Feb. 27-28—Oklahoma Cotton Ginners' Association annual convention. Skirvin Hotel, Oklahoma City. Edgar L. McVicker, 307 Bettes Building, Oklahoma City, secretary-treasurer

• March 4-5—Western Cotton Production Conference. Hotel Cortez, El Paso, Texas. Sponsored by Five-State Cotton Growers' Association and National Cotton Council.

• March 10-12 — Midsouth Gin Supply Exhibit. Midsouth Fairgrounds, Memphis. Sponsored by Arkansas-Missouri Ginners' Association, Tennessee Ginners' Association and Louisiana-Mississippi Ginners' Association, which will have annual meetings in conjunction with Exhibit. For information on exhibit, write

W. Kemper Bruton, P. O. Box 345, Blytheville, Ark.

• March 10-12 — Joint convention, Arkansas-Missouri, Tennessee and Louisiana-Mississippi Ginners' Associations. Memphis, Tenn. Held in conjunction with MidSouth Gin Supply Exhibit. W. Kemper Bruton, Blytheville, Ark., executive for Arkansas-Missouri Association; Gordon W. Marks, Jackson, Miss., executive for Louisiana-Mississippi Association; and W. T. Pigott, Milan, Tenn., executive for Tennessee Association.

• April 13—National Cotton Ginners' Association annual meeting, Dallas Texas. Tom Murray, 714 Henry Grady Building, Atlanta, executive secretary.

• April 14-15—Valley Oilseed Processors' annual convention. Buena Vista Hotel, Biloxi, Miss. C. E. Garner, 416 Exchange Building, Memphis, secretary.

• April 14-16—Texas Cotton Ginners' Association annual convention. State Fair of Texas grounds, Dallas. Edward H. Bush, executive vice-president, 3724 Race Street, Dallas. For information regarding exhibit space, write R. Haughton, president, Gin Machinery & Supply Association, P. O. Box 7985, Dallas 26.

• April 21-23—American Oil Chemists' Society spring meeting. Memphis. For information, write AOCS headquarters, 35 East Wacker Drive, Chicago.

• May 5-6—National Cottonseed Products Association annual convention. Atlanta Biltmore Hotel, Atlanta. John F. Moloney, 19 South Cleveland, Memphis, secretary-treasurer.

• May 19-20 — Oklahoma Cottonseed Crushers' Association annual convention. Quartz Mountain Lodge, Lake Altus. Edgar L. McVicker, 307 Bettes Building, Oklahoma City, secretary.

• June 1-3—Texas Cottonseed Crushers' Association annual convention. Hotel Galvez, Galveston. Jack Whetstone, 624 Wilson Bldg., Dallas, secretary-treasurer.

• June 4-6—Tri-States Oil Mill Superintendents' Association annual convention. Edgewater Gulf Hotel, Edgewater Park, Miss. B. C. Lundy, Greenville, Miss., and Woodson Campbell, Hollandale, Miss., co-chairmen.

• June 5-7—American Cotton Congress at Harlingen, Texas, and Matamoros, Mexico. For hotel or motel reservation write: Harry Nunn, Madison Hotel, Harlingen. For general information write to Burris C. Jackson, Hillsboro, Texas.

• June 23-24—Joint convention, North Carolina, South Carolina and Southeastern Cottonseed Crushers' Associations. Ocean Forest Hotel, Myrtle Beach, S.C. For information, write Mrs. M. U. Hogue, 612 Lawyers' Building, Raleigh, N.C.; C. M. Scales, 318 Grande Theatre Building, Atlanta; or Mrs. Durrett L. Williams, 609 Palmetto Bldg., Columbia, S.C.

• Oct. 20-22—American Oil Chemists' Society fall meeting. Chicago. For information, write AOCS headquarters, 35 East Wacker Drive, Chicago.

### Chemicals Improve Cotton

Improvements in cotton through chemistry were stressed Oct. 2-3 at the Chemical Finishing Conference in Washington, sponsored for the sixth time by the National Cotton Council. Wrinkle-resistance, better launderability, etching to produce special effects and other new developments were reported by scientists.



## "Heat Treated" Gin Saws

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The railroad station agent from a small town made his first trip to New York. He was two hours late for his appointment with the railroad's lawyer, in the Empire State Building.

"What a climb," he gasped as he collapsed into a chair. "Eighty flights of stairs."

"Good heavens, man," exclaimed the lawyer, "why didn't you take the elevator?"

"Well, I planned to," said the agent, "but it pulled out just as I got there."

"What would your fiancée say if he knew you were necking with me like this?" teased the handsome senior.

"I really don't know," cooed the coed. "He doesn't even know I can neck like that."

"There I was, forced down on a desert island with a lovely blonde."

"What did you do for food?"

"Darned if I can remember."

Johnny: "Granny, do you like nuts?"

Granny: "No, dear. I have no teeth."

Johnny: "Then you can watch these till I get back."

Mountaineer: "What'll my boy learn in this here school, teacher?"

Teacher: "History, spelling, trigonometry . . ."

Mountaineer: "Give him lots of that there triggerometry — he's the worst shot in the family."

"I hear your son's in college," said the businessman to an associate. "How's he making it?"

"I'm making it," said the associate. "He's spending it."

The elderly stock broker, age 75, carried his 19-year-old bride over the threshold. He introduced her to his household staff, and later asked his chauffeur what he thought of the new mistress. The chauffeur replied, "She's a beautiful young lady, sir, but I hate to see a man start out on a day's work so late in the afternoon."

Coming into his office one evening, an executive found the janitor in his office tearing up a newspaper and scattering the bits all over his desk.

"What in tarnation you doin' that for?" the exec asked.

"Oh, I do that every day to keep the elephants away," the janitor explained.

The executive looked around the office and said: "But I don't see any elephants around."

The janitor looked up and smiled. "Pretty effective, ain't it?"

Two Negroes were discussing family trees.

"Yessuh, man," said Ambrose, "I can trace mah relations back to a family tree."

"Chase 'em back to a family tree?" asked Mose.

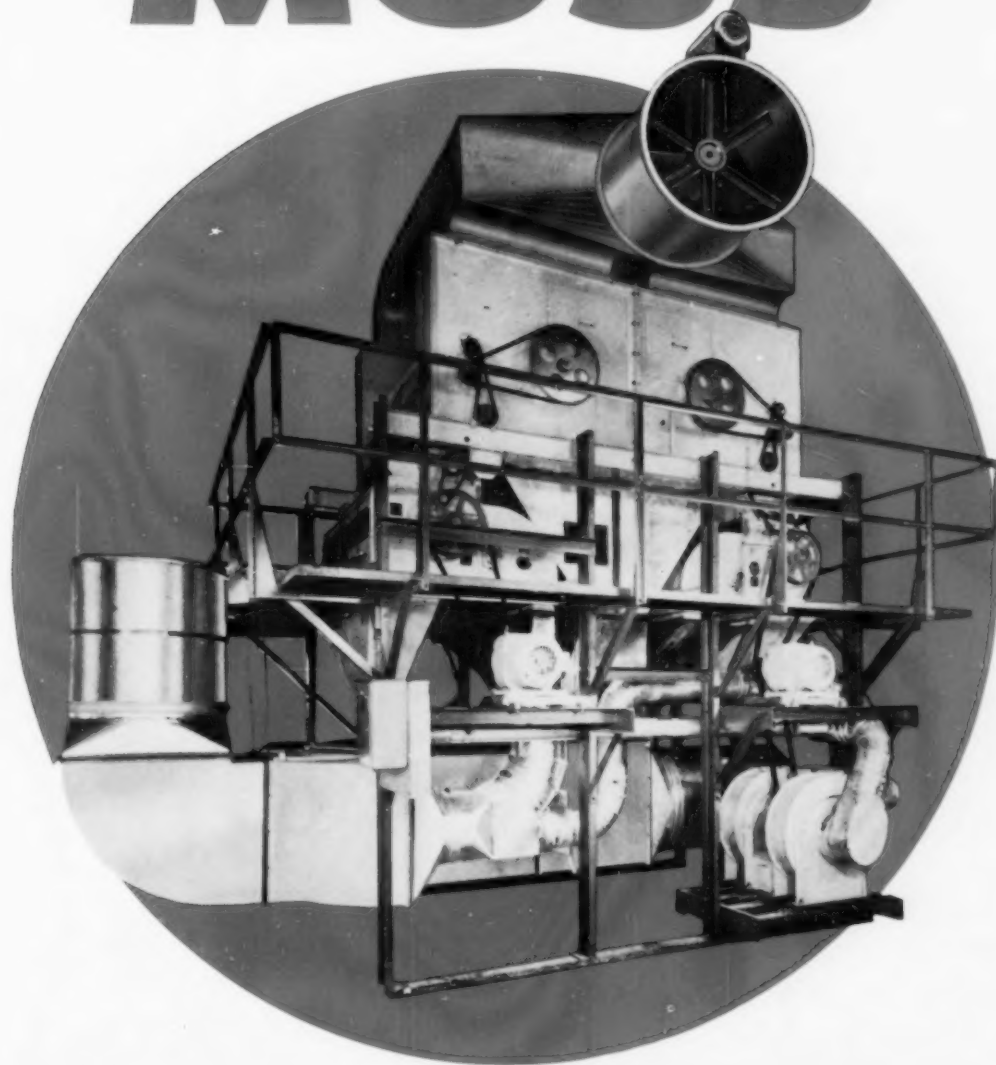
"Naw, man—trace 'em—trace 'em—get me?"

"Well, there ain't but two kinds of things dat live in trees—birds and monkeys—and yo' sho' ain't got no feathahs on you."



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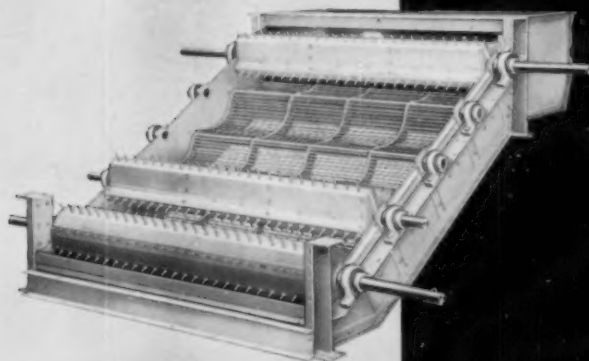
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